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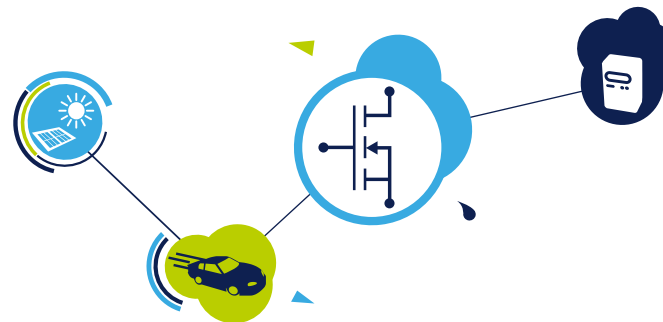
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## Power MOSFET



### Selection guide



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## N-channel StripFET 12 V to 30 V

| Part Number      | V <sub>DS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5V or 5 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ 2.7 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Total Gate Charge (Qg)<br>typ (nC) | Package                     |
|------------------|---------------------|---------------------------------------------------------|----------------------------------------------------------------|------------------------------------------|------------------|--------------------------|------------------------------------|-----------------------------|
| STR2N2VH5        | 20                  | -                                                       | 0.035                                                          | 0.055                                    | -                | 6                        | 6                                  | SOT-23                      |
| STT5N2VH5        | 20                  | -                                                       | 0.035                                                          | 0.055                                    | -                | 6                        | 6                                  | SOT23-6L                    |
| STTSNF20V        | 20                  | -                                                       | 0.04                                                           | 0.045                                    | -                | 6                        | 8.5                                | SO-8                        |
| STV300NH02L      | 24                  | 0.0012                                                  | 0.0015                                                         | -                                        | -                | 120                      | 109                                | PowerSO-10                  |
| STH300NH02L-6    | 24                  | 0.0012                                                  | 0.0015                                                         | -                                        | Yes              | 180                      | 109                                | HPPAK-6                     |
| STL220N3LH7      | 30                  | 0.0011                                                  | 0.0015                                                         | -                                        | -                | 220                      | 46                                 | PowerFLAT 5x6               |
| STL160NS3LLH7    | 30                  | 0.0021                                                  | 0.0031                                                         | -                                        | -                | 160                      | 22                                 | PowerFLAT 5x6               |
| STB155N3H6       | 30                  | 0.003                                                   | -                                                              | -                                        | Yes              | 80                       | 80                                 | D <sup>2</sup> PAK          |
| STD155N3H6       | 30                  | 0.003                                                   | -                                                              | -                                        | Yes              | 80                       | 80                                 | DPAK                        |
| STB155N3LH6      | 30                  | 0.003                                                   | 0.004                                                          | -                                        | Yes              | 80                       | 40                                 | D <sup>2</sup> PAK          |
| STD155N3LH6      | 30                  | 0.003                                                   | 0.004                                                          | -                                        | Yes              | 80                       | 40                                 | DPAK                        |
| STP160N3LL       | 30                  | 0.0032                                                  | 0.0042                                                         | -                                        | -                | 120                      | 42                                 | TO-220                      |
| STB100NF03L-03-1 | 30                  | 0.0032                                                  | 0.0045                                                         | -                                        | -                | 30                       | 160                                | PPAK                        |
| STB100NF03L-03T4 | 30                  | 0.0032                                                  | 0.0045                                                         | -                                        | Yes              | 100                      | 88                                 | PPAK                        |
| STL110NS3LLH7    | 30                  | 0.0034                                                  | 0.005                                                          | -                                        | -                | 120                      | 13.7                               | PowerFLAT 5x6               |
| STL23NS3LLH7     | 30                  | 0.0037                                                  | 0.005                                                          | -                                        | -                | 23                       | 13.7                               | PowerFLAT 3.3x3.3           |
| STP105N3LL       | 30                  | 0.0035                                                  | 0.0045                                                         | -                                        | -                | 80                       | 42                                 | TO-220                      |
| STB200NF03T4     | 30                  | 0.0036                                                  | -                                                              | -                                        | -                | 30                       | 113                                | D <sup>2</sup> PAK          |
| STL105NS3LLH7    | 30                  | 0.0039                                                  | 0.0055                                                         | -                                        | -                | 27                       | 13.7                               | PowerFLAT 5x6               |
| STP80NF03L-04    | 30                  | 0.004                                                   | 0.0055                                                         | -                                        | -                | 30                       | 150                                | TO-220                      |
| STD96N3LLH6      | 30                  | 0.0042                                                  | 0.007                                                          | -                                        | Yes              | 80                       | 20                                 | DPAK                        |
| STL90N3LLH6      | 30                  | 0.0045                                                  | 0.0073                                                         | -                                        | -                | 90                       | 17                                 | PowerFLAT 5x6               |
| STD96N3LH5       | 30                  | 0.005                                                   | 0.0065                                                         | -                                        | Yes              | 80                       | 14                                 | DPAK                        |
| STD86N3LH5AG     | 30                  | 0.005                                                   | 0.0065                                                         | -                                        | Yes              | 80                       | 14                                 | DPAK                        |
| STL86N3LH6AG     | 30                  | 0.0052                                                  | 0.0076                                                         | -                                        | Yes              | 80                       | 17                                 | PowerFLAT 5x6               |
| STD100N3LF3      | 30                  | 0.0055                                                  | 0.01                                                           | -                                        | Yes              | 80                       | 20                                 | DPAK                        |
| STL66N3LLH5      | 30                  | 0.0058                                                  | 0.0075                                                         | -                                        | Yes              | 80                       | 12                                 | PowerFLAT 5x6               |
| STL65DN3LLH5     | 30                  | 0.0065                                                  | -                                                              | -                                        | -                | 65                       | 12                                 | PowerFLAT 5x6 double island |

## Barcode of ST-MOSFET Finder



For complete MOSFET product portfolio consult the APP ST-MOSFET-Finder

## N-CHANNEL STripFET 12 V TO 30 V (CONT'D)

| Part Number                  | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ 2.7 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Total Gate Charge (Qg)<br>typ (nC) | Package                     |
|------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------|------------------|--------------------------|------------------------------------|-----------------------------|
| STD65N3LLH5                  | 30                   | 0.0069                                                  | 0.0093                                                          | -                                        | -                | 65                       | 8                                  | DPAK                        |
| STL11N3LLH6                  | 30                   | 0.0075                                                  | 0.0095                                                          | -                                        | -                | 11                       | 17                                 | PowerFLAT 3.3x3.3           |
| STL56N3LLH5                  | 30                   | 0.009                                                   | 0.0112                                                          | -                                        | -                | 56                       | 6.5                                | PowerFLAT 5x6               |
| STL58N3LLH5                  | 30                   | 0.009                                                   | 0.0112                                                          | -                                        | Yes              | 56                       | 6.5                                | PowerFLAT 5x6               |
| STI55NF03L                   | 30                   | 0.013                                                   | 0.02                                                            | -                                        | Yes              | 55                       | 20                                 | I <sup>2</sup> PAK          |
| STL40DN3LLH5                 | 30                   | 0.018                                                   | 0.025                                                           | -                                        | Yes              | 11                       | 4.5                                | PowerFLAT 5x6 double island |
| STL10N3LLH5                  | 30                   | 0.019                                                   | 0.022                                                           | -                                        | Yes              | 9                        | 5                                  | PowerFLAT 3.3x3.3           |
| STP40NF03L                   | 30                   | 0.025                                                   | 0.025                                                           | -                                        | -                | 40                       | 18                                 | T0-220                      |
| STT6N3LLH6                   | 30                   | 0.025                                                   | 0.036                                                           | -                                        | -                | 6                        | 3.6                                | SOT23-6L                    |
| STD30NF03LT4                 | 30                   | 0.025                                                   | 0.035                                                           | -                                        | -                | 30                       | 31                                 | DPAK                        |
| STD19N3LLH6AG                | 30                   | 0.033                                                   | 0.05                                                            | -                                        | Yes              | 10                       | 3.7                                | DPAK                        |
| STL19N3LLH6AG <sup>(*)</sup> | 30                   | 0.033                                                   | 0.05                                                            | -                                        | Yes              | -                        | 3.7                                | PowerFLAT 5x6               |
| STN19N3LLH6AG <sup>(*)</sup> | 30                   | 0.033                                                   | 0.05                                                            | -                                        | Yes              | -                        | 3.7                                | SOT-223                     |
| STL6N3LLH6                   | 30                   | 0.035                                                   | 0.06                                                            | -                                        | -                | 6                        | 3.6                                | PowerFLAT 2x2               |
| STD17NF03LT4                 | 30                   | 0.05                                                    | 0.06                                                            | -                                        | -                | 30                       | 9                                  | DPAK                        |
| STD18NF03L                   | 30                   | 0.05                                                    | 0.06                                                            | -                                        | Yes              | 17                       | 4.8                                | DPAK                        |
| STN4NF03L                    | 30                   | 0.05                                                    | 0.06                                                            | -                                        | -                | 4                        | 6.5                                | SOT-223                     |
| STL66DN3LLH5                 | 30                   | 0.065                                                   | 0.0079                                                          | -                                        | Yes              | 20                       | 12                                 | PowerFLAT 5x6 double island |
| STP200N3LL <sup>(*)</sup>    | 30                   | 0.0031                                                  | 0.0024                                                          | -                                        | -                | 120                      | 40                                 | T0-220                      |
| STD150NS3LLH7 <sup>(*)</sup> | 30                   | 0.0021                                                  | 0.0031                                                          | -                                        | -                | 160                      | 22                                 | DPAK                        |
| STD90NS3LLH7                 | 30                   | 0.0034                                                  | 0.0053                                                          | -                                        | -                | 80                       | 13.7                               | DPAK                        |

Note: \* Coming soon

## N-channel STripFET >30 V to 350 V

| Part Number                  | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                         |
|------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|---------------------------------|
| STP80NS04ZB                  | 33                   | 0.009                                                   | -                                                               | Yes              | 80                       | 80                        | TO-220                          |
| STP70NS04ZC                  | 33                   | 0.011                                                   | -                                                               | Yes              | 80                       | 58                        | TO-220                          |
| STP75NS04Z                   | 33                   | 0.011                                                   | -                                                               | -                | 80                       | 50                        | TO-220                          |
| STD70NS04ZL                  | 33                   | 0.0125                                                  | 0.0105                                                          | Yes              | 70                       | 32                        | DPAK                            |
| STP62NS04Z                   | 33                   | 0.015                                                   | -                                                               | -                | 62                       | 34                        | TO-220                          |
| STH410N4F7-2AG               | 40                   | 0.0011                                                  | -                                                               | Yes              | 180                      | 220                       | H <sup>2</sup> PAK-2            |
| STH410N4F7-6AG               | 40                   | 0.0011                                                  | -                                                               | Yes              | 180                      | 220                       | H <sup>2</sup> PAK-6            |
| STL285N4F7AG                 | 40                   | 0.0011                                                  | -                                                               | Yes              | 120                      | 67                        | PowerFLAT 5x6                   |
| STL260N4LF7 <sup>(*)</sup>   | 40                   | 0.0011                                                  | 0.0014                                                          | -                | 120                      | 63                        | PowerFLAT 5x6                   |
| STH400N4F6-2                 | 40                   | 0.00115                                                 | -                                                               | Yes              | 180                      | 404                       | H <sup>2</sup> PAK-2            |
| STH400N4F6-6                 | 40                   | 0.00115                                                 | -                                                               | Yes              | 180                      | 404                       | H <sup>2</sup> PAK-6            |
| STH360N4F6-2                 | 40                   | 0.00125                                                 | -                                                               | Yes              | 180                      | 340                       | H <sup>2</sup> PAK-2            |
| STH320N4F6-2                 | 40                   | 0.0013                                                  | -                                                               | Yes              | 200                      | 240                       | H <sup>2</sup> PAK-2            |
| STH320N4F6-6                 | 40                   | 0.0013                                                  | -                                                               | Yes              | 200                      | 160                       | H <sup>2</sup> PAK-6            |
| STV270N4F3                   | 40                   | 0.0015                                                  | -                                                               | Yes              | 270                      | 110                       | PowerSO-10                      |
| STLD200N4F6AG                | 40                   | 0.0015                                                  | -                                                               | Yes              | 120                      | 172                       | PowerFLAT 5x6 dual side cooling |
| STI410N4F7AG                 | 40                   | 0.0015                                                  | -                                                               | Yes              | 180                      | 220                       | TO-220                          |
| STP410N4F7AG                 | 40                   | 0.0015                                                  | -                                                               | Yes              | 180                      | 220                       | TO-220                          |
| STH260N4LF7-2 <sup>(*)</sup> | 40                   | 0.0016                                                  | 0.0019                                                          | -                | 180                      | 63                        | H <sup>2</sup> PAK-2            |
| STL210N4F7AG                 | 40                   | 0.0016                                                  | -                                                               | Yes              | 120                      | 43                        | PowerFLAT 5x6                   |
| STH260N4LF7-6                | 40                   | 0.0016                                                  | 0.0019                                                          | -                | -                        | 60                        | H <sup>2</sup> PAK-6            |
| STH270N4F3-2                 | 40                   | 0.0017                                                  | -                                                               | -                | 180                      | 110                       | H <sup>2</sup> PAK-2            |
| STH270N4F3-6                 | 40                   | 0.0017                                                  | -                                                               | Yes              | 180                      | 110                       | H <sup>2</sup> PAK-6            |
| STH290N4F6-6AG               | 40                   | 0.0017                                                  | -                                                               | -                | 180                      | 115                       | H <sup>2</sup> PAK-6            |
| STH290N4F6-2AG               | 40                   | 0.0017                                                  | -                                                               | -                | 180                      | 115                       | H <sup>2</sup> PAK-2            |
| STI400N4F6                   | 40                   | 0.0017                                                  | -                                                               | Yes              | 120                      | 377                       | I <sup>2</sup> PAK              |
| STP400N4F6                   | 40                   | 0.0017                                                  | -                                                               | Yes              | 120                      | 377                       | TO-220                          |

Note: \* Coming soon

## N-CHANNEL STriPFET >30 V TO 350 V (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                         |
|----------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|---------------------------------|
| STI360N4F6                 | 40                   | 0.0018                                                  | -                                                               | Yes              | 120                      | 340                       | I <sup>2</sup> PAK              |
| STP360N4F6                 | 40                   | 0.0018                                                  | -                                                               | Yes              | 120                      | 340                       | TO-220                          |
| STB270N4F3                 | 40                   | 0.002                                                   | -                                                               | Yes              | 160                      | 110                       | D <sup>2</sup> PAK              |
| STL190N4F7AG               | 40                   | 0.002                                                   | -                                                               | Yes              | 120                      | 41                        | PowerFLAT 5x6                   |
| STP260N4LF7                | 40                   | 0.002                                                   | 0.0023                                                          | -                | 110                      | 63                        | TO-220                          |
| STF260N4F7 <sup>(*)</sup>  | 40                   | 0.0022                                                  | -                                                               | -                | 120                      | 67                        | TO-220FP                        |
| STI300N4F6                 | 40                   | 0.0022                                                  | -                                                               | Yes              | 160                      | 240                       | I <sup>2</sup> PAK              |
| STFU260N4F7 <sup>(*)</sup> | 40                   | 0.0022                                                  | -                                                               | -                | 120                      | 67                        | TO-220FP ultra narrow leads     |
| STL260N4F7 <sup>(*)</sup>  | 40                   | 0.0022                                                  | -                                                               | -                | 120                      | 67                        | PowerFLAT 5x6                   |
| STP260N4F7 <sup>(*)</sup>  | 40                   | 0.0022                                                  | -                                                               | -                | 120                      | 67                        | TO-220                          |
| STH175N4F6-2AG             | 40                   | 0.0024                                                  | -                                                               | Yes              | 120                      | 130                       | H <sup>2</sup> PAK-2            |
| STH175N4F6-6AG             | 40                   | 0.0024                                                  | -                                                               | Yes              | 120                      | 130                       | H <sup>2</sup> PAK-6            |
| STH180N4F6-2               | 40                   | 0.0024                                                  | -                                                               | -                | 120                      | 130                       | H <sup>2</sup> PAK-2            |
| STL160N4F7                 | 40                   | 0.0025                                                  | -                                                               | -                | 120                      | 29                        | PowerFLAT 5x6                   |
| STL140N4F7AG               | 40                   | 0.0025                                                  | -                                                               | Yes              | 120                      | 29                        | PowerFLAT 5x6                   |
| STI270N4F3                 | 40                   | 0.0026                                                  | -                                                               | Yes              | 160                      | 110                       | I <sup>2</sup> PAK              |
| STL140N4LLF5               | 40                   | 0.0027                                                  | 0.0031                                                          | -                | 140                      | 45                        | PowerFLAT 5x6                   |
| STD175N4F6AG               | 40                   | 0.0027                                                  | -                                                               | Yes              | 80                       | 130                       | DPAK                            |
| STD180N4F6                 | 40                   | 0.0027                                                  | -                                                               | -                | 80                       | 130                       | DPAK                            |
| STI175N4F6AG               | 40                   | 0.0027                                                  | -                                                               | -                | 120                      | 130                       | I <sup>2</sup> PAK              |
| STP180N4F6                 | 40                   | 0.0027                                                  | -                                                               | -                | 120                      | 130                       | TO-220                          |
| STD170N4F7AG               | 40                   | 0.0028                                                  | -                                                               | Yes              | -                        | -                         | DPAK                            |
| STH160N4LF6-2              | 40                   | 0.0032                                                  | 0.0046                                                          | -                | 160                      | 180                       | H <sup>2</sup> PAK-2            |
| STLD125N4F6AG              | 40                   | 0.003                                                   | -                                                               | Yes              | 120                      | 90                        | PowerFLAT 5x6 dual side cooling |
| STD134N4F7AG               | 40                   | 0.0035                                                  | -                                                               | Yes              | -                        | -                         | TO-220                          |
| STL120N4F6AG               | 40                   | 0.0036                                                  | -                                                               | Yes              | 120                      | 63                        | PowerFLAT 5x6                   |
| STD130N4F6AG               | 40                   | 0.0036                                                  | -                                                               | Yes              | 80                       | 7                         | DPAK                            |
| STL120N4LF6AG              | 40                   | 0.0036                                                  | -                                                               | Yes              | 120                      | -                         | PowerFLAT 5x6                   |

Note: \* Coming soon

## N-CHANNEL STriP FET >30 V TO 350 V (CONT'D)

| Part Number                  | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STB120N4F6                   | 40                   | 0.004                                                   | -                                                               | Yes              | 80                       | 65                        | D <sup>2</sup> PAK          |
| STB140N4F6                   | 40                   | 0.004                                                   | -                                                               | -                | 80                       | 70                        | D <sup>2</sup> PAK          |
| STB120N4LF6                  | 40                   | 0.004                                                   | 0.005                                                           | Yes              | 80                       | 80                        | D <sup>2</sup> PAK          |
| STD120N4F6                   | 40                   | 0.004                                                   | -                                                               | Yes              | 80                       | 65                        | DPAK                        |
| STD120N4LF6                  | 40                   | 0.004                                                   | 0.005                                                           | Yes              | 80                       | 80                        | DPAK                        |
| STP180NS04ZC                 | 40                   | 0.0042                                                  | -                                                               | Yes              | 120                      | 110                       | TO-220                      |
| STP120N4F6                   | 40                   | 0.0043                                                  | -                                                               | Yes              | 80                       | 65                        | TO-220                      |
| STP140N4F6                   | 40                   | 0.0043                                                  | -                                                               | -                | 80                       | 70                        | TO-220                      |
| STL105DN4LF7AG               | 40                   | 0.0045                                                  | 0.008                                                           | Yes              | -                        | -                         | PowerFLAT 5x6 double island |
| STL105N4LF7AG <sup>(*)</sup> | 40                   | 0.0045                                                  | 0.008                                                           | -                | 105                      | 13                        | PowerFLAT 5x6               |
| STB100NF04T4                 | 40                   | 0.0046                                                  | -                                                               | -                | 120                      | 110                       | D <sup>2</sup> PAK          |
| STP100NF04                   | 40                   | 0.0046                                                  | -                                                               | Yes              | 120                      | 110                       | TO-220                      |
| STB170NF04                   | 40                   | 0.005                                                   | -                                                               | Yes              | 80                       | 117                       | D <sup>2</sup> PAK          |
| STD95N4F3                    | 40                   | 0.0058                                                  | -                                                               | Yes              | 80                       | 40                        | DPAK                        |
| STL76DN4LF7AG                | 40                   | 0.006                                                   | 0.0012                                                          | Yes              | 40                       | 14                        | PowerFLAT 5x6 double island |
| STD95N4LF3                   | 40                   | 0.006                                                   | -                                                               | Yes              | 80                       | 50                        | DPAK                        |
| STD80N4F6                    | 40                   | 0.006                                                   | -                                                               | Yes              | 80                       | 36                        | DPAK                        |
| STP95N4F3                    | 40                   | 0.0062                                                  | -                                                               | Yes              | 80                       | 40                        | TO-220                      |
| STB80N4F6AG                  | 40                   | 0.0063                                                  | -                                                               | Yes              | 80                       | 36                        | D <sup>2</sup> PAK          |
| STL70N4LLF5                  | 40                   | 0.0067                                                  | 0.009                                                           | Yes              | 70                       | 12.9                      | PowerFLAT 5x6               |
| STP150NF04                   | 40                   | 0.007                                                   | -                                                               | Yes              | 80                       | 118                       | TO-220                      |
| STD64N4F6AG                  | 40                   | 0.0082                                                  | -                                                               | Yes              | 54                       | 44                        | DPAK                        |
| STL15DN4F5                   | 40                   | 0.009                                                   | -                                                               | Yes              | 15                       | 25                        | PowerFLAT 5x6 double island |
| STD44N4LF6                   | 40                   | 0.0125                                                  | 0.018                                                           | Yes              | 44                       | 22                        | DPAK                        |
| STL52DN4LF7AG                | 40                   | 0.016                                                   | 0.02                                                            | Yes              | 18                       | 12                        | PowerFLAT 5x6 double island |
| STD30NF04LT                  | 40                   | 0.03                                                    | 0.05                                                            | Yes              | 30                       | 17                        | DPAK                        |
| STL260N45LF7 <sup>(*)</sup>  | 45                   | 0.00115                                                 | 0.0015                                                          | -                | 120                      | 55                        | PowerFLAT 5x6               |
| STL200N45LF7                 | 45                   | 0.0018                                                  | 0.0025                                                          | -                | 120                      | 33                        | PowerFLAT 5x6               |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number                   | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|-------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STP190N55LF3                  | 55                   | 0.0037                                                  | 0.0045                                                          | Yes              | 120                      | 60                        | TO-220             |
| STP185N55F3                   | 55                   | 0.0038                                                  | -                                                               | Yes              | 120                      | 110                       | TO-220             |
| STP110N55F6                   | 55                   | 0.0052                                                  | -                                                               | -                | 110                      | 126                       | TO-220             |
| STB150NF55T4                  | 55                   | 0.006                                                   | -                                                               | Yes              | 120                      | 140                       | D <sup>2</sup> PAK |
| STP150NF55                    | 55                   | 0.006                                                   | -                                                               | Yes              | 150                      | 140                       | TO-220             |
| STB80NF55-06-1                | 55                   | 0.0065                                                  | -                                                               | Yes              | 80                       | 140                       | I <sup>2</sup> PAK |
| STB80NF55-06T4                | 55                   | 0.0065                                                  | -                                                               | -                | 80                       | 140                       | D <sup>2</sup> PAK |
| STB80NF55L-06T4               | 55                   | 0.0065                                                  | 0.008                                                           | -                | 80                       | 175                       | D <sup>2</sup> PAK |
| STP80NF55-06                  | 55                   | 0.0065                                                  | -                                                               | -                | 80                       | 140                       | TO-220             |
| STP80NF55-06FP                | 55                   | 0.0065                                                  | -                                                               | -                | 80                       | 140                       | TO-220FP           |
| STP80NF55L-06                 | 55                   | 0.0065                                                  | 0.008                                                           | -                | 80                       | 175                       | TO-220             |
| STP140NF55T4                  | 55                   | 0.008                                                   | -                                                               | -                | 80                       | 142                       | D <sup>2</sup> PAK |
| STB141NF55                    | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 142                       | TO-220             |
| STB78NF55-08                  | 55                   | 0.008                                                   | -                                                               | -                | 80                       | 112                       | D <sup>2</sup> PAK |
| STB80NF55-08AG <sup>(*)</sup> | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 112                       | D <sup>2</sup> PAK |
| STB85NF55LT4                  | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 80                        | D <sup>2</sup> PAK |
| STB85NF55T4                   | 55                   | 0.008                                                   | 0.01                                                            | Yes              | 80                       | 120                       | D <sup>2</sup> PAK |
| STP140NF55                    | 55                   | 0.008                                                   | -                                                               | -                | 80                       | 142                       | TO-220             |
| STP141NF55                    | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 142                       | TO-220             |
| STP80NF55-08AG <sup>(*)</sup> | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 112                       | TO-220             |
| STP85NF55                     | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 120                       | TO-220             |
| STP85NF55L                    | 55                   | 0.008                                                   | -                                                               | Yes              | 80                       | 80                        | TO-220             |
| STP90N55F4                    | 55                   | 0.008                                                   | -                                                               | -                | 80                       | 90                        | TO-220             |
| STD60N55F3                    | 55                   | 0.0085                                                  | -                                                               | -                | 65                       | 33.5                      | DPAK               |
| STD65N55LF3                   | 55                   | 0.0085                                                  | 0.012                                                           | Yes              | 80                       | 20                        | DPAK               |
| STD60NF55LAT4                 | 55                   | 0.015                                                   | 0.017                                                           | Yes              | 60                       | 72                        | DPAK               |
| STD60NF55LT4                  | 55                   | 0.015                                                   | 0.017                                                           | -                | 60                       | 72                        | DPAK               |
| STL220N6F7                    | 60                   | 0.0014                                                  | -                                                               | -                | 260                      | 100                       | PowerFLAT 5x6      |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number                   | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|-------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STL225N6F7AG <sup>(*)</sup>   | 60                   | 0.0014                                                  | -                                                               | Yes              | 260                      | 100                       | PowerFLAT 5x6        |
| STH272N6F7-6AG <sup>(*)</sup> | 60                   | 0.0015                                                  | -                                                               | Yes              | 180                      | 170                       | H <sup>2</sup> PAK-6 |
| STL220NS6F7 <sup>(*)</sup>    | 60                   | 0.0016                                                  | -                                                               | -                | -                        | 100                       | PowerFLAT 5x6        |
| STH220N6F7-2                  | 60                   | 0.0021                                                  | -                                                               | -                | 120                      | 100                       | H <sup>2</sup> PAK-2 |
| STH220N6F7-6                  | 60                   | 0.0021                                                  | -                                                               | -                | 120                      | 100                       | H <sup>2</sup> PAK-6 |
| STH265N6F6-2AG                | 60                   | 0.0021                                                  | -                                                               | -                | 180                      | 183                       | H <sup>2</sup> PAK-2 |
| STH265N6F6-6AG                | 60                   | 0.0021                                                  | -                                                               | -                | 180                      | 183                       | H <sup>2</sup> PAK-6 |
| STP220N6F7                    | 60                   | 0.0024                                                  | -                                                               | -                | 120                      | 100                       | TO-220               |
| STL140N6F7                    | 60                   | 0.0028                                                  | -                                                               | -                | 120                      | 55                        | PowerFLAT 5x6        |
| STW265N6F6AG                  | 60                   | 0.00285                                                 | -                                                               | Yes              | 180                      | 183                       | TO-247               |
| STH140N6F7-2                  | 60                   | 0.0032                                                  | -                                                               | -                | 80                       | 55                        | H <sup>2</sup> PAK-2 |
| STH140N6F7-6                  | 60                   | 0.0032                                                  | -                                                               | -                | 80                       | 55                        | H <sup>2</sup> PAK-6 |
| STF140N6F7                    | 60                   | 0.0035                                                  | -                                                               | -                | 80                       | 55                        | TO-220FP             |
| STF140N6F7                    | 60                   | 0.0035                                                  | -                                                               | -                | 80                       | 55                        | I <sup>2</sup> PAKFP |
| STL130N6F7                    | 60                   | 0.0035                                                  | -                                                               | -                | 130                      | 45                        | PowerFLAT 5x6        |
| STD140N6F7                    | 60                   | 0.0038                                                  | -                                                               | -                | 80                       | 55                        | DPAK                 |
| STP140N6F7                    | 60                   | 0.0038                                                  | -                                                               | -                | 80                       | 40                        | TO-220               |
| STD130N6F7                    | 60                   | 0.005                                                   | -                                                               | -                | 80                       | 45                        | DPAK                 |
| STD80N6F6                     | 60                   | 0.005                                                   | -                                                               | Yes              | 80                       | 147                       | DPAK                 |
| STP130N6F7                    | 60                   | 0.005                                                   | -                                                               | -                | 80                       | 45                        | TO-220               |
| STP80N6F6                     | 60                   | 0.005                                                   | -                                                               | Yes              | 80                       | 147                       | TO-220               |
| STB130N6F7                    | 60                   | 0.005                                                   | -                                                               | -                | 80                       | 45                        | D <sup>2</sup> PAK   |
| STL20N6F7                     | 60                   | 0.0054                                                  | -                                                               | -                | 20                       | 30                        | PowerFLAT 3.3x3.3    |
| STL90N6F7                     | 60                   | 0.0054                                                  | -                                                               | -                | 90                       | 30                        | PowerFLAT 5x6        |
| STF100N6F7                    | 60                   | 0.0056                                                  | -                                                               | -                | 46                       | 30                        | TO-220FP             |
| STP100N6F7                    | 60                   | 0.0056                                                  | -                                                               | -                | 100                      | 30                        | TO-220               |
| STB100N6F7                    | 60                   | 0.0056                                                  | -                                                               | -                | 100                      | 30                        | D <sup>2</sup> PAK   |
| STP90N6F6                     | 60                   | 0.0063                                                  | -                                                               | -                | 90                       | 74.9                      | TO-220               |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number               | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|---------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STL16N6LF7 <sup>(*)</sup> | 60                   | 0.0064                                                  | 0.0096                                                          | -                | 16                       | 15                        | PowerFLAT 3.3x3.3           |
| STL90N6LF7 <sup>(*)</sup> | 60                   | 0.0064                                                  | 0.0096                                                          | -                | 90                       | 15                        | PowerFLAT 5x6               |
| STP77N6F6                 | 60                   | 0.007                                                   | -                                                               | -                | 77                       | 70.5                      | TO-220                      |
| STD46N6F7                 | 60                   | 0.014                                                   | -                                                               | -                | 15                       | 17                        | DPAK                        |
| STL50N6F7                 | 60                   | 0.014                                                   | -                                                               | -                | 50                       | 17                        | PowerFLAT 5x6               |
| STP60NF06L                | 60                   | 0.014                                                   | 0.016                                                           | -                | 60                       | 35                        | TO-220                      |
| STP65NF06                 | 60                   | 0.014                                                   | -                                                               | -                | 60                       | 54                        | TO-220                      |
| STB60NF06LT4              | 60                   | 0.014                                                   | 0.016                                                           | Yes              | 60                       | 65                        | D <sup>2</sup> PAK          |
| STL50DN6F7                | 60                   | 0.014                                                   | -                                                               | -                | 50                       | 17                        | PowerFLAT 5x6 double island |
| STL11N6F7                 | 60                   | 0.015                                                   | -                                                               | -                | 11                       | 17                        | PowerFLAT 3.3x3.3           |
| STB60NF06T4               | 60                   | 0.016                                                   | 0                                                               | -                | 60                       | 49                        | D <sup>2</sup> PAK          |
| STD60NF06T4               | 60                   | 0.016                                                   | -                                                               | -                | 60                       | 49                        | DPAK                        |
| STP60NF06                 | 60                   | 0.016                                                   | -                                                               | -                | 60                       | 49                        | TO-220                      |
| STP60NF06FP               | 60                   | 0.016                                                   | -                                                               | -                | 30                       | 49                        | TO-220FP                    |
| STB55NF06LT4              | 60                   | 0.017                                                   | 0.02                                                            | -                | 35                       | 25                        | D <sup>2</sup> PAK          |
| STD35NF06LT4              | 60                   | 0.017                                                   | -                                                               | Yes              | 35                       | 25                        | DPAK                        |
| STB55NF06T4               | 60                   | 0.018                                                   | -                                                               | -                | 50                       | 44.5                      | D <sup>2</sup> PAK          |
| STP55NF06                 | 60                   | 0.018                                                   | -                                                               | -                | 50                       | 44.5                      | TO-220                      |
| STP55NF06L                | 60                   | 0.018                                                   | 0.02                                                            | -                | 55                       | 27                        | TO-220                      |
| STS7NF60L                 | 60                   | 0.0195                                                  | 0.0215                                                          | -                | 7.5                      | 25                        | SO-8                        |
| STD35NF06T4               | 60                   | 0.02                                                    | -                                                               | -                | 50                       | 35                        | DPAK                        |
| STL7N6F7                  | 60                   | 0.023                                                   | -                                                               | -                | 7                        | 8                         | PowerFLAT 2x2               |
| STL8N6F7                  | 60                   | 0.023                                                   | -                                                               | -                | 8                        | 8                         | PowerFLAT 3.3x3.3           |
| STD35NF06T4               | 60                   | 0.024                                                   | -                                                               | -                | 35                       | 44.5                      | DPAK                        |
| STD30N6LF6AG              | 60                   | 0.025                                                   | 0.03                                                            | Yes              | 24                       | 27.3                      | DPAK                        |
| STL36DN6F7                | 60                   | 0.027                                                   | -                                                               | -                | 36                       | 8                         | PowerFLAT 5x6 double island |
| STL8DN6LF6AG              | 60                   | 0.027                                                   | 0.031                                                           | Yes              | 9.6                      | 27.3                      | PowerFLAT 5x6 double island |
| STL8N6LF6AG               | 60                   | 0.027                                                   | 0.031                                                           | Yes              | 9.6                      | 27.3                      | PowerFLAT 5x6               |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number                 | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|-----------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STS8DN6LF6AG                | 60                   | 0.027                                                   | 0.031                                                           | Yes              | 9.6                      | 27.3                      | SO-8                        |
| STS8N6LF6AG                 | 60                   | 0.027                                                   | 0.031                                                           | Yes              | 9.6                      | 27.3                      | SO-8                        |
| STB45NF06T4                 | 60                   | 0.028                                                   | -                                                               | -                | 38                       | 0                         | D <sup>2</sup> PAK          |
| STD29NF06L                  | 60                   | 0.028                                                   | 0.03                                                            | -                | 28                       | 0                         | DPAK                        |
| STD30NF06LAG                | 60                   | 0.028                                                   | 0.03                                                            | -                | 28                       | 0                         | DPAK                        |
| STF40NF06                   | 60                   | 0.028                                                   | -                                                               | Yes              | 23                       | 32                        | TO-220FP                    |
| STP45NF06                   | 60                   | 0.028                                                   | -                                                               | -                | 38                       | 32                        | TO-220                      |
| STL8DN6LF3                  | 60                   | 0.03                                                    | 0.044                                                           | Yes              | 7.8                      | 13                        | PowerFLAT 5x6 double island |
| STL8N6LF3                   | 60                   | 0.03                                                    | 0.044                                                           | Yes              | 7.8                      | 13                        | PowerFLAT 5x6               |
| STL20DNF06LAG               | 60                   | 0.04                                                    | 0.05                                                            | Yes              | 20                       | 22.5                      | PowerFLAT 5x6 double island |
| STD19NF06L                  | 60                   | 0.04                                                    | 0.048                                                           | -                | -                        | -                         | DPAK                        |
| STD20NF06                   | 60                   | 0.04                                                    | -                                                               | -                | 23                       | 20                        | DPAK                        |
| STD20NF06LAG <sup>(*)</sup> | 60                   | 0.04                                                    | 0.048                                                           | Yes              |                          | 12                        | DPAK                        |
| STD22NF06AG                 | 60                   | 0.04                                                    | -                                                               | Yes              | 23                       | 20                        | DPAK                        |
| STL20NF06LAG <sup>(*)</sup> | 60                   | 0.04                                                    | 0.05                                                            | Yes              | 20                       | 22.5                      | PowerFLAT 5x6               |
| STP36NF06L                  | 60                   | 0.04                                                    | 0.05                                                            | Yes              | 30                       | 12                        | TO-220                      |
| STL7DN6LF3                  | 60                   | 0.043                                                   | 0.06                                                            | Yes              | 6.5                      | 8.7                       | PowerFLAT 5x6 double island |
| STL7N6LF3                   | 60                   | 0.043                                                   | 0.06                                                            | Yes              | 6.5                      | 8.8                       | PowerFLAT 5x6               |
| STS5DNF60L                  | 60                   | 0.045                                                   | 0.065                                                           | Yes              | 4                        | 15                        | SO-8                        |
| STS4DNF60L                  | 60                   | 0.055                                                   | 0.065                                                           | -                | 4                        | 32                        | SO-8                        |
| STS5NF60L                   | 60                   | 0.055                                                   | 0.065                                                           | Yes              | 5                        | 17                        | SO-8                        |
| STB25NF06AG                 | 60                   | 0.07                                                    | -                                                               | Yes              | 16                       | 14                        | D <sup>2</sup> PAK          |
| STB25NF06LAG <sup>(*)</sup> | 60                   | 0.07                                                    | 0.085                                                           | Yes              | 25                       | 14                        | D <sup>2</sup> PAK          |
| STD16NF06LT4                | 60                   | 0.07                                                    | 0.085                                                           | -                | 24                       | 14                        | DPAK                        |
| STD16NF06T4                 | 60                   | 0.07                                                    | -                                                               | -                | 16                       | 14                        | DPAK                        |
| STP16NF06L                  | 60                   | 0.09                                                    | -                                                               | -                | 16                       | 7.3                       | TO-220                      |
| STD11NF06L <sup>(*)</sup>   | 60                   | 0.1                                                     | 0.12                                                            | -                | 12                       | 7.5                       | DPAK                        |
| STD12NF06LAG <sup>(*)</sup> | 60                   | 0.1                                                     | 0.12                                                            | Yes              | 12                       | 7.5                       | DPAK                        |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|----------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STD12NF06T4    | 60                   | 0.1                                                     | -                                                               | -                | 12                       | 10                        | DPAK                 |
| STN3NF06       | 60                   | 0.1                                                     | -                                                               | -                | 3                        | 10                        | SOT-223              |
| STN3NF06L      | 60                   | 0.1                                                     | 0.12                                                            | -                | 3                        | 12                        | SOT-223              |
| STN4NF06L      | 60                   | 0.1                                                     | 0.12                                                            | Yes              | 4                        | 7                         | SOT-223              |
| STP80N70F6     | 68                   | 0.008                                                   | -                                                               | -                | 96                       | 100                       | TO-220               |
| STP110N7F6     | 68                   | 0.0065                                                  | -                                                               | -                | 110                      | 100                       | TO-220               |
| STP80N70F4     | 68                   | 0.0098                                                  | 0                                                               | -                | 85                       | 76                        | TO-220               |
| STH110N7F6-2   | 68                   | 0.0063                                                  | -                                                               | -                | 110                      | 100                       | H <sup>2</sup> PAK-2 |
| STH240N75F3-2  | 75                   | 0.003                                                   | -                                                               | -                | 180                      | 87                        | H <sup>2</sup> PAK-2 |
| STH245N75F3-6  | 75                   | 0.003                                                   | -                                                               | Yes              | 180                      | 87                        | H <sup>2</sup> PAK-6 |
| STP160N75F3    | 75                   | 0.004                                                   | -                                                               | -                | 120                      | 85                        | TO-220               |
| STP140NF75     | 75                   | 0.0075                                                  | -                                                               | -                | 120                      | 160                       | TO-220               |
| STP75NF75FP    | 75                   | 0.011                                                   | -                                                               | -                | 40                       | 117                       | TO-220FP             |
| STP76NF75      | 75                   | 0.011                                                   | -                                                               | Yes              | 80                       | 117                       | TO-220               |
| STP75NF75      | 75                   | 0.013                                                   | -                                                               | -                | 75                       | 110                       | TO-220               |
| STB160N75F3    | 75                   | 0.0037                                                  | -                                                               | -                | 120                      | 85                        | D <sup>2</sup> PAK   |
| STB140NF75T4   | 75                   | 0.0075                                                  | -                                                               | -                | 120                      | 160                       | D <sup>2</sup> PAK   |
| STB75NF75LT4   | 75                   | 0.011                                                   | 0.013                                                           | -                | 75                       | 150                       | D <sup>2</sup> PAK   |
| STB75NF75T4    | 75                   | 0.011                                                   | -                                                               | -                | 80                       | 117                       | D <sup>2</sup> PAK   |
| STD45NF75T4    | 75                   | 0.024                                                   | -                                                               | Yes              | 30                       | 60                        | DPAK                 |
| STB76NF75      | 75                   | 0.011                                                   | -                                                               | Yes              | 80                       | 117                       | D <sup>2</sup> PAK   |
| STH245N75F3-6  | 75                   | 0.03                                                    | 0                                                               | -                | 180                      | 87                        | H <sup>2</sup> PAK-6 |
| STH270N8F7-2   | 80                   | 0.0021                                                  | -                                                               | -                | 180                      | 193                       | H <sup>2</sup> PAK-2 |
| STH270N8F7-6   | 80                   | 0.0021                                                  | -                                                               | -                | 180                      | 193                       | H <sup>2</sup> PAK-6 |
| STH275N8F7-2AG | 80                   | 0.0021                                                  | -                                                               | Yes              | 180                      | 193                       | H <sup>2</sup> PAK-2 |
| STH275N8F7-6AG | 80                   | 0.0021                                                  | -                                                               | Yes              | 180                      | 193                       | H <sup>2</sup> PAK-6 |
| STP270N8F7     | 80                   | 0.0025                                                  | -                                                               | -                | 180                      | 193                       | TO-220               |
| STL130N8F7     | 80                   | 0.0036                                                  | -                                                               | -                | 24                       | 96                        | PowerFLAT 5x6        |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|----------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STL135N8F7AG   | 80                   | 0.0036                                                  | -                                                               | Yes              | 130                      | 96                        | PowerFLAT 5x6        |
| STLD130N8F7(*) | 80                   | 0.0036                                                  | -                                                               | -                | 0                        | 96                        | PowerFLAT 5x6        |
| STH170N8F7-2   | 80                   | 0.0037                                                  | -                                                               | -                | 120                      | 120                       | H <sup>2</sup> PAK-2 |
| STP170N8F7     | 80                   | 0.0039                                                  | -                                                               | -                | 120                      | 120                       | TO-220               |
| STH140N8F7-2   | 80                   | 0.004                                                   | -                                                               | -                | 90                       | 96                        | H <sup>2</sup> PAK-2 |
| STH145N8F7-2AG | 80                   | 0.004                                                   | -                                                               | Yes              | 90                       | 96                        | H <sup>2</sup> PAK-2 |
| STF140N8F7     | 80                   | 0.0043                                                  | -                                                               | -                | 64                       | 96                        | TO-220FP             |
| STP140N8F7     | 80                   | 0.0043                                                  | -                                                               | -                | 90                       | 96                        | TO-220               |
| STL120N8F7     | 80                   | 0.0044                                                  | -                                                               | -                | 120                      | 60                        | PowerFLAT 5x6        |
| STH130N8F7-2   | 80                   | 0.005                                                   | 0                                                               | -                | 110                      | 60                        | H <sup>2</sup> PAK-2 |
| STP130N8F7     | 80                   | 0.0058                                                  | 0                                                               | -                | 80                       | 60                        | TO-220               |
| STL100N8F7     | 80                   | 0.0061                                                  | -                                                               | -                | 100                      | 47                        | PowerFLAT 5x6        |
| STD110N8F6     | 80                   | 0.0065                                                  | -                                                               | -                | 110                      | 150                       | DPAK                 |
| STP110N8F6     | 80                   | 0.0065                                                  | -                                                               | -                | 110                      | 150                       | TO-220               |
| STL100N8F7     | 80                   | 0.007                                                   | -                                                               | -                | 110                      | 47                        | PowerFLAT 5x6        |
| STL75N8LF6     | 80                   | 0.0074                                                  | 0.0082                                                          | -                | 18                       | 51                        | PowerFLAT 5x6        |
| STP110N8F7     | 80                   | 0.0075                                                  | -                                                               | -                | 80                       | 47                        | TO-220               |
| STP100N8F6     | 80                   | 0.009                                                   | -                                                               | -                | 100                      | 90                        | TO-220               |
| STH310N10F7-2  | 100                  | 0.0023                                                  | -                                                               | -                | 180                      | 180                       | H <sup>2</sup> PAK-2 |
| STH310N10F7-6  | 100                  | 0.0023                                                  | -                                                               | -                | 180                      | 180                       | H <sup>2</sup> PAK-6 |
| STH315N10F7-2  | 100                  | 0.0023                                                  | -                                                               | Yes              | 180                      | 180                       | H <sup>2</sup> PAK-2 |
| STH315N10F7-6  | 100                  | 0.0023                                                  | -                                                               | Yes              | 180                      | 180                       | H <sup>2</sup> PAK-6 |
| STH240N10F7-2  | 100                  | 0.0025                                                  | -                                                               | -                | 180                      | 160                       | H <sup>2</sup> PAK-2 |
| STH240N10F7-6  | 100                  | 0.0025                                                  | -                                                               | -                | 180                      | 160                       | H <sup>2</sup> PAK-6 |
| STP310N10F7    | 100                  | 0.0027                                                  | -                                                               | -                | 180                      | 180                       | TO-220               |
| STP315N10F7    | 100                  | 0.0027                                                  | -                                                               | Yes              | 180                      | 180                       | TO-220               |
| STP240N10F7    | 100                  | 0.0032                                                  | -                                                               | -                | 110                      | 160                       | TO-220               |
| STF150N10F7    | 100                  | 0.0042                                                  | -                                                               | -                | 65                       | 117                       | TO-220FP             |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number      | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                         |
|------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|---------------------------------|
| STI150N10F7      | 100                  | 0.0042                                                  | -                                                               | -                | 110                      | 117                       | I <sup>2</sup> PAK              |
| STP150N10F7      | 100                  | 0.0042                                                  | -                                                               | -                | 110                      | 117                       | TO-220                          |
| STH180N10F3-2    | 100                  | 0.0045                                                  | -                                                               | -                | 180                      | 114.6                     | H <sup>2</sup> PAK-2            |
| STH185N10F3-2    | 100                  | 0.0045                                                  | -                                                               | Yes              | 180                      | 114.6                     | H <sup>2</sup> PAK-2            |
| STH150N10F7-2    | 100                  | 0.0045                                                  | -                                                               | -                | 90                       | 92                        | H <sup>2</sup> PAK-2            |
| STP180N10F3      | 100                  | 0.0051                                                  | -                                                               | -                | 120                      | 115                       | TO-220                          |
| STP165N10F4      | 100                  | 0.0055                                                  | -                                                               | -                | 120                      | 180                       | TO-220                          |
| STL110N10F7      | 100                  | 0.006                                                   | -                                                               | -                | 100                      | 72                        | PowerFLAT 5x6                   |
| STLD110N10F7(*)  | 100                  | 0.006                                                   | -                                                               | -                | 100                      | 72                        | PowerFLAT 5x6 dual side cooling |
| STH110N10F7-2(*) | 100                  | 0.0065                                                  | -                                                               | -                | 110                      | 72                        | H <sup>2</sup> PAK-2            |
| STH110N10F7-6    | 100                  | 0.0065                                                  | -                                                               | -                | 110                      | 72                        | H <sup>2</sup> PAK-6            |
| STF110N10F7      | 100                  | 0.007                                                   | -                                                               | -                | 45                       | 72                        | TO-220FP                        |
| STP110N10F7      | 100                  | 0.007                                                   | -                                                               | -                | 110                      | 72                        | TO-220                          |
| STL100N10F7      | 100                  | 0.0073                                                  | -                                                               | -                | 19                       | 61                        | PowerFLAT 5x6                   |
| STL90N10F7       | 100                  | 0.008                                                   | -                                                               | -                | 70                       | 45                        | PowerFLAT 5x6                   |
| STD100N10F7      | 100                  | 0.008                                                   | -                                                               | -                | 80                       | 61                        | DPAK                            |
| STD105N10F7AG    | 100                  | 0.008                                                   | -                                                               | Yes              | 80                       | 61                        | DPAK                            |
| STF100N10F7      | 100                  | 0.008                                                   | -                                                               | -                | 45                       | 61                        | TO-220FP                        |
| STP100N10F7      | 100                  | 0.008                                                   | -                                                               | -                | 80                       | 61                        | TO-220                          |
| STB100N10F7      | 100                  | 0.008                                                   | -                                                               | -                | 80                       | 61                        | D <sup>2</sup> PAK              |
| STH80N10F7-2     | 100                  | 0.0095                                                  | -                                                               | -                | 80                       | 45                        | H <sup>2</sup> PAK-2            |
| STF130N10F3      | 100                  | 0.0096                                                  | -                                                               | -                | 46                       | 57                        | I <sup>2</sup> PAKFP            |
| STD80N10F7       | 100                  | 0.01                                                    | -                                                               | -                | 70                       | 45                        | DPAK                            |
| STD85N10F7AG     | 100                  | 0.01                                                    | -                                                               | -                | 80                       | 45                        | DPAK                            |
| STF80N10F7       | 100                  | 0.01                                                    | -                                                               | -                | 40                       | 45                        | TO-220FP                        |
| STP80N10F7       | 100                  | 0.01                                                    | -                                                               | -                | 80                       | 45                        | TO-220                          |
| STH80N10LF7-2AG  | 100                  | 0.01                                                    | 0.016                                                           | Yes              | -                        | -                         | H <sup>2</sup> PAK-2            |
| STL80N10LF7AG    | 100                  | 0.01                                                    | 0.016                                                           | Yes              | -                        | -                         | PowerFLAT 5x6                   |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number     | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|-----------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STB120NF10T4    | 100                  | 0.0105                                                  | 0                                                               | -                | 120                      | 172                       | D <sup>2</sup> PAK   |
| STP80NF10       | 100                  | 0.014                                                   | -                                                               | -                | 80                       | 140                       | TO-220               |
| STP80NF10FP     | 100                  | 0.015                                                   | -                                                               | -                | 38                       | 140                       | TO-220FP             |
| STB80NF10T4     | 100                  | 0.015                                                   | -                                                               | -                | 80                       | 135                       | D <sup>2</sup> PAK   |
| STD45N10F7      | 100                  | 0.016                                                   | -                                                               | -                | 45                       | 22                        | DPAK                 |
| STD47N10F7AG    | 100                  | 0.016                                                   | -                                                               | Yes              | 45                       | 25                        | DPAK                 |
| STI45N10F7      | 100                  | 0.016                                                   | -                                                               | -                | 45                       | 22                        | I <sup>2</sup> PAK   |
| STP45N10F7      | 100                  | 0.016                                                   | -                                                               | -                | 45                       | 22                        | TO-220               |
| STL60N10F7      | 100                  | 0.0165                                                  | -                                                               | -                | 12                       | 25                        | PowerFLAT 5x6        |
| STF45N10F7      | 100                  | 0.018                                                   | -                                                               | -                | 30                       | 25                        | TO-220FP             |
| STW70N10F4      | 100                  | 0.0195                                                  | -                                                               | -                | 65                       | 85                        | TO-247               |
| STH52N10LF3-2AG | 100                  | 0.02                                                    | 0.026                                                           | Yes              | 52                       | 18.5                      | H <sup>2</sup> PAK-2 |
| STL8N10F7       | 100                  | 0.02                                                    | -                                                               | -                | 35                       | 25                        | PowerFLAT 3.3x3.3    |
| STP60NF10       | 100                  | 0.023                                                   | -                                                               | -                | 80                       | 104                       | TO-220               |
| STB60NF10       | 100                  | 0.023                                                   | -                                                               | -                | 80                       | 104                       | D <sup>2</sup> PAK   |
| STD30N10F7      | 100                  | 0.024                                                   | -                                                               | -                | 35                       | 19                        | DPAK                 |
| STF30N10F7      | 100                  | 0.024                                                   | -                                                               | -                | 35                       | 19                        | TO-220FP             |
| STL40N10F7      | 100                  | 0.024                                                   | -                                                               | -                | 10                       | 14                        | PowerFLAT 5x6        |
| STP30N10F7      | 100                  | 0.024                                                   | -                                                               | -                | 35                       | 18                        | TO-220               |
| STD40NF10       | 100                  | 0.028                                                   | -                                                               | -                | 50                       | 46.5                      | DPAK                 |
| STP40NF10       | 100                  | 0.028                                                   | -                                                               | -                | 50                       | 60                        | TO-220               |
| STP40NF10L      | 100                  | 0.033                                                   | 0.036                                                           | -                | 40                       | 0                         | TO-220               |
| STB40NF10LT4    | 100                  | 0.033                                                   | 0.036                                                           | -                | 40                       | 0                         | D <sup>2</sup> PAK   |
| STL8N10LF3      | 100                  | 0.035                                                   | 0.05                                                            | Yes              | 7.8                      | 20.5                      | PowerFLAT 5x6        |
| STD25N10F7      | 100                  | 0.035                                                   | -                                                               | -                | 25                       | 13                        | DPAK                 |
| STF25N10F7      | 100                  | 0.035                                                   | -                                                               | -                | 25                       | 13                        | TO-220FP             |
| STL30N10F7      | 100                  | 0.035                                                   | -                                                               | -                | 8                        | 14                        | PowerFLAT 5x6        |
| STL7N10F7       | 100                  | 0.035                                                   | -                                                               | -                | 7                        | 14                        | PowerFLAT 3.3x3.3    |
| STP25N10F7      | 100                  | 0.035                                                   | -                                                               | -                | 25                       | 13                        | TO-220               |

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number                  | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STU25N10F7                   | 100                  | 0.035                                                   | -                                                               | -                | 25                       | 10                        | IPAK                        |
| STD25NF10LA                  | 100                  | 0.035                                                   | 0.04                                                            | Yes              | 25                       | 38                        | DPAK                        |
| STD25NF10LT4                 | 100                  | 0.035                                                   | 0.04                                                            | -                | 25                       | 0                         | DPAK                        |
| STL8DN10LF3                  | 100                  | 0.035                                                   | 0.05                                                            | Yes              | 7.8                      | 20.5                      | PowerFLAT 5x6 double island |
| STD25NF10T4                  | 100                  | 0.038                                                   | 0                                                               | -                | 25                       | 55                        | DPAK                        |
| STD26NF10T4                  | 100                  | 0.038                                                   | -                                                               | Yes              | 25                       | 55                        | DPAK                        |
| STD20NF10                    | 100                  | 0.045                                                   | -                                                               | -                | 30                       | 40                        | DPAK                        |
| STB30NF10T4                  | 100                  | 0.045                                                   | 0                                                               | -                | 35                       | 40                        | D <sup>2</sup> PAK          |
| STP30NF10                    | 100                  | 0.052                                                   | -                                                               | -                | 30                       | 40                        | TO-220                      |
| STP24NF10                    | 100                  | 0.06                                                    | -                                                               | -                | 26                       | 30                        | TO-220                      |
| STD15NF10T4                  | 100                  | 0.065                                                   | -                                                               | -                | 23                       | 30                        | DPAK                        |
| STL3N10F7                    | 100                  | 0.07                                                    | -                                                               | -                | 4                        | 7.8                       | PowerFLAT 2x2               |
| STL4N10F7                    | 100                  | 0.07                                                    | -                                                               | -                | 4.5                      | 7.8                       | PowerFLAT 3.3x3.3           |
| STL20DN10F7                  | 100                  | 0.08                                                    | -                                                               | -                | 5                        | 9                         | PowerFLAT 5x6 double island |
| STL92N10F7AG                 | 100                  | 0.085                                                   | -                                                               | Yes              | 70                       | 45                        | PowerFLAT 5x6               |
| STD100N10LF7AG               | 100                  | 0.089                                                   | 0.0112                                                          | Yes              | -                        | -                         | DPAK                        |
| STD10NF10T4                  | 100                  | 0.13                                                    | 0                                                               | -                | 13                       | 15                        | DPAK                        |
| STD6NF10T4                   | 100                  | 0.25                                                    | 0                                                               | -                | 6                        | 10                        | DPAK                        |
| STU6NF10                     | 100                  | 0.25                                                    | -                                                               | -                | 6                        | 10                        | IPAK                        |
| STD6NF10                     | 100                  | 0.25                                                    | -                                                               | -                | 6                        | 12                        | DPAK                        |
| STN2NF10                     | 100                  | 0.26                                                    | -                                                               | -                | 2.4                      | 10                        | SOT-223                     |
| STN1NF10                     | 100                  | 0.8                                                     | -                                                               | -                | 1                        | 4                         | SOT-223                     |
| STH100N10F7                  | 100                  | 80                                                      | -                                                               | -                | 80                       | 60                        | H <sup>2</sup> PAK          |
| STL80N12F7 <sup>(*)</sup>    | 120                  | 0.0016                                                  | -                                                               | -                | -                        | 35                        | PowerFLAT 5x6               |
| STF200N12F7 <sup>(*)</sup>   | 120                  | 0.0043                                                  | -                                                               | -                | -                        | 110                       | TO-220FP                    |
| STP200N12F7 <sup>(*)</sup>   | 120                  | 0.0043                                                  | -                                                               | -                | -                        | 110                       | TO-220                      |
| STH200N12F7-2 <sup>(*)</sup> | 120                  | 0.0046                                                  | -                                                               | -                | -                        | 110                       | H <sup>2</sup> PAK-2        |
| STL100N12F7 <sup>(*)</sup>   | 120                  | 0.0075                                                  | -                                                               | -                | -                        | 50                        | PowerFLAT 5x6               |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number                  | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|------------------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STH100N12F7-6 <sup>(*)</sup> | 120                  | 0.008                                                   | -                                                               | -                | -                        | 50                        | H <sup>2</sup> PAK-6 |
| STH100N12F7-2 <sup>(*)</sup> | 120                  | 0.008                                                   | -                                                               | -                | -                        | 50                        | H <sup>2</sup> PAK-2 |
| STF100N12F7 <sup>(*)</sup>   | 120                  | 0.0085                                                  | -                                                               | -                | -                        | 50                        | TO-220FP             |
| STP100N12F7 <sup>(*)</sup>   | 120                  | 0.0085                                                  | -                                                               | -                | -                        | 50                        | TO-220               |
| STP80NF12                    | 120                  | 0.018                                                   | -                                                               | -                | 80                       | 140                       | TO-220               |
| STP40NF12                    | 120                  | 0.032                                                   | -                                                               | -                | 40                       | 60                        | TO-220               |
| STH180N15F7-2 <sup>(*)</sup> | 150                  | 0.0053                                                  | -                                                               | -                | -                        | 125                       | H <sup>2</sup> PAK-2 |
| STP110N15F7 <sup>(*)</sup>   | 150                  | 0.0056                                                  | -                                                               | -                | -                        | 125                       | TO-220               |
| STP180N15F7 <sup>(*)</sup>   | 150                  | 0.0056                                                  | -                                                               | -                | -                        | 125                       | TO-220               |
| STH110N15F7-2 <sup>(*)</sup> | 150                  | 0.0107                                                  | -                                                               | -                | -                        | 70                        | H <sup>2</sup> PAK-2 |
| STL80N15F7 <sup>(*)</sup>    | 150                  | 0.0135                                                  | -                                                               | -                | -                        | 53                        | PowerFLAT 5x6        |
| STH90N15F7-2 <sup>(*)</sup>  | 150                  | 0.0142                                                  | -                                                               | -                | -                        | 53                        | H <sup>2</sup> PAK-2 |
| STF90N15F7 <sup>(*)</sup>    | 150                  | 0.0145                                                  | -                                                               | -                | -                        | 53                        | TO-220               |
| STP90N15F7 <sup>(*)</sup>    | 150                  | 0.0145                                                  | -                                                               | -                | -                        | 53                        | TO-220               |
| STS5N15F4                    | 150                  | 0.063                                                   | -                                                               | -                | 5                        | 48                        | S0-8                 |
| STD5N20LT4                   | 200                  | -                                                       | 0.7                                                             | -                | 5                        | 0                         | DPAK                 |
| STP75NF20                    | 200                  | 0.034                                                   | -                                                               | -                | 75                       | 84                        | TO-220               |
| STW75NF20                    | 200                  | 0.034                                                   | -                                                               | -                | 75                       | 84                        | TO-247               |
| STF40NF20                    | 200                  | 0.045                                                   | -                                                               | -                | 40                       | 75                        | TO-220FP             |
| STP40NF20                    | 200                  | 0.045                                                   | -                                                               | -                | 40                       | 75                        | TO-220               |
| STW40NF20                    | 200                  | 0.045                                                   | -                                                               | -                | 40                       | 75                        | TO-247               |
| STP30NF20                    | 200                  | 0.075                                                   | -                                                               | -                | 30                       | 38                        | TO-220               |
| STD20NF20                    | 200                  | 0.125                                                   | -                                                               | -                | 18                       | 28                        | DPAK                 |
| STD25NF20                    | 200                  | 0.125                                                   | -                                                               | Yes              | 18                       | 28                        | DPAK                 |
| STF20NF20                    | 200                  | 0.125                                                   | -                                                               | -                | 18                       | 28                        | TO-220FP             |
| STP20NF20                    | 200                  | 0.125                                                   | -                                                               | -                | 18                       | 28                        | TO-220               |
| STF19NF20                    | 200                  | 0.16                                                    | -                                                               | -                | 11                       | 24                        | TO-220FP             |
| STP19NF20                    | 200                  | 0.16                                                    | -                                                               | -                | 11                       | 24                        | TO-220               |

Note: \* Coming soon

## N-CHANNEL STripFET >30 V TO 350 V (CONT'D)

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 4.5 V or 5 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|-------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STN1NF20    | 200                  | 1.5                                                     | -                                                               | -                | 1                        | 5.7                       | SOT-223            |
| STN4NF20L   | 200                  | 1.5                                                     | -                                                               | -                | 1                        | 0.9                       | SOT-223            |
| STB80N20M5  | 200                  | 0.023                                                   | -                                                               | -                | 61                       | 104                       | D <sup>2</sup> PAK |
| STB75NF20   | 200                  | 0.034                                                   | -                                                               | -                | 75                       | 84                        | D <sup>2</sup> PAK |
| STB40NF20   | 200                  | 0.045                                                   | -                                                               | -                | 40                       | 75                        | D <sup>2</sup> PAK |
| STB30NF20   | 200                  | 0.075                                                   | -                                                               | -                | 30                       | 38                        | D <sup>2</sup> PAK |
| STB30NF20L  | 200                  | 0.075                                                   | -                                                               | Yes              | 30                       | 65                        | D <sup>2</sup> PAK |
| STP50NF25   | 250                  | 0.069                                                   | -                                                               | -                | 45                       | 68                        | TO-220             |
| STB18NF25   | 250                  | 0.165                                                   | -                                                               | Yes              | 17                       | 29.5                      | D <sup>2</sup> PAK |
| STD17NF25   | 250                  | 0.165                                                   | -                                                               | -                | 17                       | 30                        | DPAK               |
| STD18NF25   | 250                  | 0.165                                                   | -                                                               | Yes              | 17                       | 29.5                      | DPAK               |
| STF17NF25   | 250                  | 0.165                                                   | -                                                               | -                | 17                       | 29.5                      | TO-220FP           |
| STP17NF25   | 250                  | 0.165                                                   | -                                                               | -                | 17                       | 29.5                      | TO-220             |
| STD16NF25   | 250                  | 0.235                                                   | -                                                               | -                | 14                       | 18                        | DPAK               |
| STF16NF25   | 250                  | 0.235                                                   | -                                                               | -                | 14                       | 18                        | TO-220FP           |
| STD8NF25    | 250                  | 0.42                                                    | -                                                               | Yes              | 8                        | 16                        | DPAK               |
| STU7NF25    | 250                  | 0.42                                                    | -                                                               | -                | 8                        | 16                        | IPAK               |
| STB46N30M5  | 300                  | 0.04                                                    | -                                                               | Yes              | 53                       | 95                        | D <sup>2</sup> PAK |
| STW75NF30   | 300                  | 0.045                                                   | -                                                               | Yes              | 60                       | 164                       | TO-247             |
| STB46NF30   | 300                  | 0.075                                                   | -                                                               | Yes              | 45                       | 84                        | D <sup>2</sup> PAK |
| STP46NF30   | 300                  | 0.075                                                   | -                                                               | Yes              | 45                       | 84                        | TO-220             |
| STW46NF30   | 300                  | 0.075                                                   | -                                                               | Yes              | 45                       | 84                        | TO-247             |
| STD10NF30   | 300                  | 0.33                                                    | -                                                               | Yes              | 10                       | 23                        | DPAK               |
| STB18NF30   | 330                  | 0.18                                                    | -                                                               | Yes              | 18                       | 44                        | D <sup>2</sup> PAK |

## N-channel >350 V to 700 V

| Part Number                  | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STB46N30M5                   | 300                  | 0.04                                                    | Yes              | 53                       | 95                        | D <sup>2</sup> PAK |
| STB46NF30                    | 300                  | 0.075                                                   | Yes              | 45                       | 85                        | D <sup>2</sup> PAK |
| STP46NF30                    | 300                  | 0.075                                                   | Yes              | 45                       | 85                        | TO-220             |
| STB46NF30                    | 300                  | 0.075                                                   | Yes              | 45                       | 85                        | D <sup>2</sup> PAK |
| STW46NF30                    | 300                  | 0.075                                                   | Yes              | 45                       | 85                        | TO-247             |
| STB18NF30                    | 300                  | 0.18                                                    | -                | 18                       | 44                        | D <sup>2</sup> PAK |
| STD10NF30                    | 300                  | 0.33                                                    | Yes              | 10                       | 23                        | DPAK               |
| STW75NF30AG <sup>(*)</sup>   | 300                  | 0.045                                                   | Yes              | 60                       | 180                       | TO-247             |
| STW74NF30 <sup>(*)</sup>     | 300                  | 0.045                                                   | Yes              | 60                       | 180                       | TO-247             |
| STB45N40DM2AG <sup>(1)</sup> | 400                  | 0.072                                                   | Yes              | 38                       | 56                        | D <sup>2</sup> PAK |
| STP45N40DM2AG <sup>(1)</sup> | 400                  | 0.072                                                   | Yes              | 38                       | 56                        | TO-220             |
| STD7NK40ZT4                  | 400                  | 1                                                       | -                | 6                        | 20                        | DPAK               |
| STD5NK40ZT4                  | 400                  | 1.8                                                     | -                | 4                        | 12                        | DPAK               |
| STD5NK40Z-1                  | 400                  | 1.8                                                     | -                | 4                        | 12                        | IPAK               |
| STD3N40K3                    | 400                  | 3.4                                                     | -                | 2                        | 11                        | DPAK               |
| STN3N40K3                    | 400                  | 3.4                                                     | -                | 1.8                      | 11                        | SOT-223            |
| STL3NK40                     | 400                  | 5.5                                                     | -                | 0.43                     | 8.7                       | PowerFLAT 5X5 HV   |
| STN3N45K3                    | 450                  | 3.8                                                     | -                | 0.6                      | 6                         | SOT-223            |
| STU3N45K3                    | 450                  | 3.8                                                     | -                | 1.8                      | 6                         | IPAK               |
| STY105NM50N                  | 500                  | 0.022                                                   | -                | 110                      | 326                       | Max247             |
| STE53NC50                    | 500                  | 0.08                                                    | -                | 53                       | 310                       | ISOTOP             |
| STB45N50DM2AG <sup>(1)</sup> | 500                  | 0.084                                                   | Yes              | 34                       | 57                        | D <sup>2</sup> PAK |
| STB34N50DM2AG <sup>(1)</sup> | 500                  | 0.12                                                    | Yes              | 26                       | 44                        | D <sup>2</sup> PAK |
| STB23NM50N                   | 500                  | 0.19                                                    | -                | 17                       | 45                        | D <sup>2</sup> PAK |
| STF23NM50N                   | 500                  | 0.19                                                    | -                | 17                       | 45                        | TO-220FP           |
| STW23NM50N                   | 500                  | 0.19                                                    | -                | 17                       | 45                        | TO-247             |
| STP23NM50N                   | 500                  | 0.19                                                    | -                | 17                       | 45                        | TO-220             |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|--------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STP19NM50N                     | 500                  | 0.25                                                    | -                | 14                       | 34                        | TO-220             |
| STF19NM50N                     | 500                  | 0.25                                                    | -                | 14                       | 34                        | TO-220FP           |
| STB21NK50Z                     | 500                  | 0.27                                                    | Yes              | 17                       | 85                        | D <sup>2</sup> PAK |
| STD16N50M2                     | 500                  | 0.28                                                    | -                | 13                       | 19.5                      | DPAK               |
| STF16N50M2                     | 500                  | 0.28                                                    | -                | 13                       | 19.5                      | TO-220FP           |
| STP16N50M2                     | 500                  | 0.28                                                    | -                | 13                       | 19.5                      | TO-220             |
| STD13NM50N                     | 500                  | 0.32                                                    | -                | 12                       | 27                        | DPAK               |
| STD12N50DM2 <sup>(1)</sup>     | 500                  | 0.35                                                    | -                | 11                       | 16                        | DPAK               |
| STF12N50DM2 <sup>(1)</sup>     | 500                  | 0.35                                                    | -                | 11                       | 16                        | TO-220FP           |
| STD12N50M2                     | 500                  | 0.38                                                    | -                | 10                       | 15                        | DPAK               |
| STF12N50M2                     | 500                  | 0.38                                                    | -                | 10                       | 15                        | TO-220FP           |
| STP12N50M2                     | 500                  | 0.38                                                    | -                | 10                       | 15                        | TO-220             |
| STD11N50DM2 <sup>(1)</sup>     | 500                  | 0.53                                                    | -                | 8                        | 12                        | DPAK               |
| STD11N50M2                     | 500                  | 0.53                                                    | -                | 8                        | 12                        | DPAK               |
| STF11N50M2                     | 500                  | 0.53                                                    | -                | 8                        | 12                        | TO-220FP           |
| STD8NM50N                      | 500                  | 0.79                                                    | -                | 5                        | 14                        | DPAK               |
| STD9NM50N                      | 500                  | 0.79                                                    | Yes              | 5                        | 14                        | DPAK               |
| STF8NM50N                      | 500                  | 0.79                                                    | -                | 5                        | 14                        | TO-220FP           |
| STP8NM50N                      | 500                  | 0.79                                                    | -                | 5                        | 14                        | TO-220             |
| STD14NM50NAG <sup>(*)</sup>    | 500                  | 0.32                                                    | Yes              | 12                       | 27                        | DPAK               |
| STD15N50M2AG <sup>(*)</sup>    | 500                  | 0.38                                                    | Yes              | 10                       | 15                        | DPAK               |
| STD11N50DM2 <sup>(*)</sup> (1) | 500                  | 0.53                                                    | -                | 8                        | -                         | DPAK               |
| STD5N52U                       | 525                  | 0.06                                                    | -                | 4.4                      | 16.9                      | DPAK               |
| STD7N52K3                      | 525                  | 0.85                                                    | -                | 6                        | 33                        | DPAK               |
| STD6N52K3                      | 525                  | 1.2                                                     | -                | 5                        | -                         | DPAK               |
| STD5N52K3                      | 525                  | 1.5                                                     | -                | 4.4                      | 17                        | DPAK               |
| STU5N52K3                      | 525                  | 1.5                                                     | -                | 4.4                      | 17                        | IPAK               |
| STD5N52U <sup>(1)</sup>        | 525                  | 1.5                                                     | -                | 4.4                      | 17                        | DPAK               |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                       | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|-----------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STD4N52K3                         | 525                  | 2.6                                                     | -                | 2.5                      | 11                        | DPAK               |
| STP36N55M5                        | 550                  | 0.08                                                    | -                | 33                       | 72                        | T0-220             |
| STL36N55M5                        | 550                  | 0.09                                                    | -                | 22.5                     | 67                        | PowerFLAT 8x8 HV   |
| STD18N55M5                        | 550                  | 0.192                                                   | -                | 16                       | 31                        | DPAK               |
| STY100NM60N                       | 600                  | 0.029                                                   | -                | 98                       | 330                       | Max247             |
| STW75N60M6 <sup>(*)</sup>         | 600                  | 0.035                                                   | -                | -                        | -                         | T0-247             |
| STWA75N60M6 <sup>(*)</sup>        | 600                  | 0.035                                                   | -                | -                        | -                         | T0-247 long leads  |
| STW75N60M6-4 <sup>(*)</sup>       | 600                  | 0.035                                                   | -                | -                        | -                         | T0247-4            |
| STW70N60M2                        | 600                  | 0.04                                                    | -                | 68                       | 130                       | T0-247             |
| STW68N60M6-4 <sup>(*)</sup>       | 600                  | 0.041                                                   | -                | -                        | -                         | T0247-4            |
| STW68N60M6 <sup>(*)</sup>         | 600                  | 0.041                                                   | -                | -                        | -                         | T0-247             |
| STWA68N60M6 <sup>(*)</sup>        | 600                  | 0.041                                                   | -                | -                        | -                         | T0-247 long leads  |
| STW72N60DM2AG <sup>(1)</sup>      | 600                  | 0.042                                                   | Yes              | 66                       | 121                       | T0-247             |
| STW70N60DM2 <sup>(1)</sup>        | 600                  | 0.042                                                   | -                | 68                       | 121                       | T0-247             |
| STW56N60M2                        | 600                  | 0.055                                                   | -                | 52                       | 91                        | T0-247             |
| STW56N60M2-4                      | 600                  | 0.055                                                   | -                | 52                       | 91                        | T0247-4            |
| STWA58N60DM2AG <sup>(*)</sup> (1) | 600                  | 0.06                                                    | Yes              | 50                       | 110                       | T0-247 long leads  |
| STW58N60DM2AG <sup>(1)</sup>      | 600                  | 0.06                                                    | Yes              | 50                       | 90                        | T0-247             |
| STW56N60DM2 <sup>(1)</sup>        | 600                  | 0.06                                                    | -                | 50                       | 110                       | T0-247             |
| STW58N60DM2AG <sup>(1)</sup>      | 600                  | 0.06                                                    | Yes              | 50                       | 110                       | T0-247             |
| STW48N60M6 <sup>(*)</sup>         | 600                  | 0.069                                                   | -                | -                        | -                         | T0-247             |
| STW48N60M6-4 <sup>(*)</sup>       | 600                  | 0.069                                                   | -                | -                        | -                         | T0247-4            |
| STWA48N60M6 <sup>(*)</sup>        | 600                  | 0.069                                                   | -                | -                        | -                         | T0-247 long leads  |
| STW48N60M2                        | 600                  | 0.07                                                    | -                | 42                       | 70                        | T0-247             |
| STW48N60M2-4                      | 600                  | 0.07                                                    | -                | 42                       | 70                        | T0247-4            |
| STWA48N60M2                       | 600                  | 0.07                                                    | -                | 42                       | 70                        | T0-247 long leads  |
| STB42N60M2-EP                     | 600                  | 0.087                                                   | -                | 34                       | 55                        | D <sup>2</sup> PAK |
| STF42N60M2-EP                     | 600                  | 0.087                                                   | -                | 34                       | 55                        | T0-220FP           |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                       | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|-----------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STFW42N60M2-EP                    | 600                  | 0.087                                                   | -                | 34                       | 55                        | TO-3PF               |
| STP42N60M2-EP                     | 600                  | 0.087                                                   | -                | 34                       | 55                        | TO-220               |
| STW42N60M2-EP                     | 600                  | 0.087                                                   | -                | 34                       | 55                        | TO-247               |
| STB40N60M2                        | 600                  | 0.088                                                   | -                | 34                       | 57                        | D <sup>2</sup> PAK   |
| STF40N60M2                        | 600                  | 0.088                                                   | -                | 34                       | 57                        | TO-220FP             |
| STF40N60M2                        | 600                  | 0.088                                                   | -                | 34                       | 57                        | I <sup>2</sup> PAKFP |
| STFW40N60M2                       | 600                  | 0.088                                                   | -                | 34                       | 57                        | TO-3PF               |
| STP40N60M2                        | 600                  | 0.088                                                   | -                | 34                       | 57                        | TO-220               |
| STW40N60M2                        | 600                  | 0.088                                                   | -                | 34                       | 57                        | TO-247               |
| STW40N60M2-4                      | 600                  | 0.088                                                   | -                | 34                       | 57                        | TO247-4              |
| STWA40N60M2                       | 600                  | 0.088                                                   | -                | 34                       | 57                        | TO-247 long leads    |
| STW47NM60ND                       | 600                  | 0.088                                                   | Yes              | 35                       | 120                       | TO-247               |
| STWA45N60DM2AG <sup>(*)</sup> (1) | 600                  | 0.093                                                   | Yes              | 34                       | 56                        | TO-247 long leads    |
| STB45N60DM2AG <sup>(1)</sup>      | 600                  | 0.093                                                   | Yes              | 34                       | 56                        | D <sup>2</sup> PAK   |
| STB43N60DM2 <sup>(1)</sup>        | 600                  | 0.093                                                   | -                | 34                       | 56                        | D <sup>2</sup> PAK   |
| STP45N60DM2AG <sup>(1)</sup>      | 600                  | 0.093                                                   | Yes              | 34                       | 56                        | TO-220               |
| STW45N60DM2AG <sup>(1)</sup>      | 600                  | 0.093                                                   | Yes              | 34                       | 56                        | TO-247               |
| STF43N60DM2 <sup>(1)</sup>        | 600                  | 0.093                                                   | -                | 34                       | 56                        | TO-220FP             |
| STP43N60DM2 <sup>(1)</sup>        | 600                  | 0.093                                                   | -                | 34                       | 56                        | TO-220               |
| STW43N60DM2 <sup>(1)</sup>        | 600                  | 0.093                                                   | -                | 34                       | 56                        | TO-247               |
| STB36N60M6 <sup>(1)</sup>         | 600                  | 0.099                                                   | -                | 30                       | 48                        | D <sup>2</sup> PAK   |
| STW36N60M6-4 <sup>(1)</sup>       | 600                  | 0.099                                                   | -                | 30                       | 48                        | TO247-4              |
| STW36N60M6 <sup>(1)</sup>         | 600                  | 0.099                                                   | -                | 30                       | 48                        | TO-247               |
| STF36N60M6                        | 600                  | 0.099                                                   | -                | 30                       | 48                        | TO-220FP             |
| STP36N60M6 <sup>(1)</sup>         | 600                  | 0.099                                                   | -                | 30                       | 48                        | TO-220               |
| STL45N60DM6 <sup>(*)</sup>        | 600                  | 0.1                                                     | -                | 26                       | 50                        | PowerFLAT 8x8 HV     |
| STB34NM60N                        | 600                  | 0.105                                                   | -                | 29                       | 85                        | D <sup>2</sup> PAK   |
| STB36NM60N                        | 600                  | 0.105                                                   | Yes              | 29                       | 83.6                      | D <sup>2</sup> PAK   |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                       | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|-----------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STP34NM60N                        | 600                  | 0.105                                                   | -                | 31.5                     | 84                        | TO-220             |
| STW34NM60N                        | 600                  | 0.105                                                   | -                | 31.5                     | 84                        | TO-247             |
| STW36NM60N                        | 600                  | 0.105                                                   | Yes              | 29                       | 85                        | TO-247             |
| STB34NM60ND <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 29                       | 80.4                      | D <sup>2</sup> PAK |
| STF34NM60ND <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 29                       | 80.4                      | TO-220FP           |
| STP34NM60ND <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 29                       | 80.4                      | TO-220             |
| STW34NM60ND <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 29                       | 80.4                      | TO-247             |
| STL36N60M6 <sup>(*)</sup>         | 600                  | 0.11                                                    | -                | 25                       | 48                        | PowerFLAT 8x8 HV   |
| STB36NM60ND <sup>(1)</sup>        | 600                  | 0.11                                                    | Yes              | 29                       | 80.4                      | D <sup>2</sup> PAK |
| STW36NM60ND <sup>(1)</sup>        | 600                  | 0.11                                                    | Yes              | 29                       | 80.4                      | TO-247             |
| STWA37N60DM2AG <sup>(*)</sup> (1) | 600                  | 0.11                                                    | Yes              | 28                       | 54                        | TO-247 long leads  |
| STB35N60DM2 <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 28                       | 54                        | D <sup>2</sup> PAK |
| STB37N60DM2AG <sup>(1)</sup>      | 600                  | 0.11                                                    | Yes              | 28                       | 54                        | D <sup>2</sup> PAK |
| STF35N60DM2 <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 28                       | 54                        | TO-220FP           |
| STP35N60DM2 <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 28                       | 54                        | TO-220             |
| STW35N60DM2 <sup>(1)</sup>        | 600                  | 0.11                                                    | -                | 28                       | 54                        | TO-247             |
| STW37N60DM2AG <sup>(1)</sup>      | 600                  | 0.11                                                    | Yes              | 28                       | 54                        | TO-247             |
| STP33N60M6 <sup>(*)</sup>         | 600                  | 0.125                                                   | -                | -                        | -                         | TO-220             |
| STW33N60M6 <sup>(*)</sup>         | 600                  | 0.125                                                   | -                | -                        | -                         | TO-247             |
| STF33N60M6 <sup>(*)</sup>         | 600                  | 0.125                                                   | -                | -                        | -                         | TO-220FP           |
| STB33N60M2                        | 600                  | 0.125                                                   | -                | 26                       | 45.5                      | D <sup>2</sup> PAK |
| STF33N60M2                        | 600                  | 0.125                                                   | -                | 26                       | 45.5                      | TO-220FP           |
| STI33N60M2                        | 600                  | 0.125                                                   | -                | 26                       | 45.5                      | IPAK               |
| STP33N60M2                        | 600                  | 0.125                                                   | -                | 26                       | 45.5                      | TO-220             |
| STW33N60M2                        | 600                  | 0.125                                                   | -                | 26                       | 45.5                      | TO-247             |
| STF33N60DM2 <sup>(1)</sup>        | 600                  | 0.13                                                    | -                | 24                       | 80                        | TO-220FP           |
| STE40NC60                         | 600                  | 0.13                                                    | -                | 40                       | 307.5                     | ISOTOP             |
| STP33N60DM2 <sup>(1)</sup>        | 600                  | 0.13                                                    | -                | 24                       | 80                        | TO-220FP           |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|----------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STB33N60DM2 <sup>(1)</sup> | 600                  | 0.13                                                    | -                | 24                       | 80                        | D <sup>2</sup> PAK   |
| STL33N60M6 <sup>(*)</sup>  | 600                  | 0.135                                                   | -                | -                        | -                         | PowerFLAT 8x8 HV     |
| STL33N60M2                 | 600                  | 0.135                                                   | -                | 22                       | 45.5                      | PowerFLAT 8x8 HV     |
| STL33N60DM2 <sup>(1)</sup> | 600                  | 0.14                                                    | -                | 22                       | 80                        | PowerFLAT 8x8 HV     |
| STW33N60DM2 <sup>(1)</sup> | 600                  | 0.13                                                    | -                | 24                       | 80                        | TO-247               |
| STB28N60M2                 | 600                  | 0.15                                                    | -                | 22                       | 36                        | D <sup>2</sup> PAK   |
| STF28N60M2                 | 600                  | 0.15                                                    | -                | 22                       | 36                        | TO-220FP             |
| STFI28N60M2                | 600                  | 0.15                                                    | -                | 22                       | 36                        | I <sup>2</sup> PAKFP |
| STP28N60M2                 | 600                  | 0.15                                                    | -                | 22                       | 36                        | TO-220               |
| STW28N60M2                 | 600                  | 0.15                                                    | -                | 22                       | 36                        | TO-247               |
| STB28N60DM2 <sup>(1)</sup> | 600                  | 0.16                                                    | -                | 22                       | 34                        | D <sup>2</sup> PAK   |
| STP28N60DM2 <sup>(1)</sup> | 600                  | 0.16                                                    | -                | 22                       | 34                        | TO-220               |
| STW28N60DM2 <sup>(1)</sup> | 600                  | 0.16                                                    | -                | 22                       | 34                        | TO-247               |
| STF28N60DM2 <sup>(1)</sup> | 600                  | 0.16                                                    | -                | 22                       | 34                        | TO-220FP             |
| STB27NM60ND                | 600                  | 0.16                                                    | Yes              | 21                       | 80                        | D <sup>2</sup> PAK   |
| STL28N60M2                 | 600                  | 0.161                                                   | -                | -                        | 36                        | PowerFLAT 8x8 HV     |
| STF27N60M2-EP              | 600                  | 0.163                                                   | -                | 20                       | 33                        | TO-220FP             |
| STP27N60M2-EP              | 600                  | 0.163                                                   | -                | 20                       | 33                        | TO-220               |
| STW27N60M2-EP              | 600                  | 0.163                                                   | -                | 20                       | 33                        | TO-247               |
| STF26N60M2                 | 600                  | 0.165                                                   | -                | 20                       | 34                        | TO-220FP             |
| STFI26N60M2                | 600                  | 0.165                                                   | -                | 20                       | 34                        | I <sup>2</sup> PAKFP |
| STP26N60M2                 | 600                  | 0.165                                                   | -                | 20                       | 34                        | TO-220               |
| STW26N60M2                 | 600                  | 0.165                                                   | -                | 20                       | 34                        | TO-247               |
| STP26N60M6                 | 600                  | 0.168                                                   | -                | -                        | -                         | TO-220               |
| STF26N60M6                 | 600                  | 0.168                                                   | -                | -                        | -                         | TO-220FP             |
| STW26N60M6                 | 600                  | 0.168                                                   | -                | -                        | -                         | TO-247               |
| STL28N60DM2 <sup>(1)</sup> | 600                  | 0.175                                                   | -                | -                        | 34                        | PowerFLAT 8x8 HV     |
| STB24N60M6 <sup>(*)</sup>  | 600                  | 0.19                                                    | -                | -                        | -                         | D <sup>2</sup> PAK   |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|--------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STI24N60M6 <sup>(*)</sup>      | 600                  | 0.19                                                    | -                | -                        | -                         | I <sup>2</sup> PAK          |
| STF24N60M6 <sup>(*)</sup>      | 600                  | 0.19                                                    | -                | -                        | -                         | TO-220FP                    |
| STW24N60M6 <sup>(*)</sup>      | 600                  | 0.19                                                    | -                | -                        | -                         | TO-247                      |
| STP24N60M6 <sup>(*)</sup>      | 600                  | 0.19                                                    | -                | -                        | -                         | TO-220                      |
| STF25N60M2-EP                  | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-220FP                    |
| STP25N60M2-EP                  | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-220                      |
| STW25N60M2-EP                  | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-247                      |
| STB24N60M2                     | 600                  | 0.19                                                    | -                | 18                       | 29                        | D <sup>2</sup> PAK          |
| STF24N60M2                     | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-220FP                    |
| STFI24N60M2                    | 600                  | 0.19                                                    | -                | 18                       | 29                        | I <sup>2</sup> PAKFP        |
| STFU24N60M2                    | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-220FP ultra narrow leads |
| STFW24N60M2                    | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-3PF                      |
| STI24N60M2                     | 600                  | 0.19                                                    | -                | 18                       | 29                        | I <sup>2</sup> PAK          |
| STP24N60M2                     | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-220                      |
| STW24N60M2                     | 600                  | 0.19                                                    | -                | 18                       | 29                        | TO-247                      |
| STB24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | 18                       | 29                        | D <sup>2</sup> PAK          |
| STP24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | -                        | -                         | TO-220                      |
| STB24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | -                        | -                         | D <sup>2</sup> PAK          |
| STF24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | -                        | -                         | TO-220FP                    |
| STW24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | -                        | -                         | TO-247                      |
| STF24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | 18                       | 29                        | TO-220FP                    |
| STP24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | 18                       | 29                        | TO-220                      |
| STW24N60DM2 <sup>(1)</sup>     | 600                  | 0.2                                                     | -                | 18                       | 29                        | TO-247                      |
| STL25N60M2-EP <sup>(1)</sup>   | 600                  | 0.206                                                   | -                | 16                       | 29                        | PowerFLAT 8x8 HV            |
| STL24N60M6 <sup>(*)</sup>      | 600                  | 0.21                                                    | -                | -                        | -                         | PowerFLAT 8x8 HV            |
| STL24N60M2                     | 600                  | 0.21                                                    | -                | 18                       | 29                        | PowerFLAT 8x8 HV            |
| STL24N60DM2 <sup>(*)</sup> (1) | 600                  | 0.22                                                    | -                | -                        | -                         | PowerFLAT 8x8 HV            |
| STB22N60M6 <sup>(*)</sup>      | 600                  | 0.23                                                    | -                | -                        | 20                        | D <sup>2</sup> PAK          |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|----------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STP22N60M6 <sup>(*)</sup>  | 600                  | 0.23                                                    | -                | -                        | 20                        | TO-220                      |
| STF22N60M6 <sup>(*)</sup>  | 600                  | 0.23                                                    | -                | -                        | 20                        | TO-220FP                    |
| STB20N60M2-EP              | 600                  | 0.278                                                   | -                | 13                       | 22                        | D <sup>2</sup> PAK          |
| STF20N60M2-EP              | 600                  | 0.278                                                   | -                | 13                       | 22                        | TO-220FP                    |
| STI20N60M2-EP              | 600                  | 0.278                                                   | -                | 13                       | 22                        | I <sup>2</sup> PAK          |
| STP20N60M2-EP              | 600                  | 0.278                                                   | -                | 13                       | 22                        | TO-220                      |
| STW20N60M2-EP              | 600                  | 0.278                                                   | -                | 13                       | 22                        | TO-247                      |
| STF18N60M6 <sup>(*)</sup>  | 600                  | 0.28                                                    | -                | -                        | -                         | TO-220FP                    |
| STP18N60M6 <sup>(*)</sup>  | 600                  | 0.28                                                    | -                | -                        | -                         | TO-220                      |
| STD18N60M6 <sup>(*)</sup>  | 600                  | 0.28                                                    | -                | -                        | -                         | DPAK                        |
| STI18N60M6 <sup>(*)</sup>  | 600                  | 0.28                                                    | -                | -                        | -                         | I <sup>2</sup> PAK          |
| STB18N60M6 <sup>(*)</sup>  | 600                  | 0.28                                                    | -                | -                        | -                         | D <sup>2</sup> PAK          |
| STB18N60M2                 | 600                  | 0.28                                                    | -                | 13                       | 21.5                      | D <sup>2</sup> PAK          |
| STF18N60M2                 | 600                  | 0.28                                                    | -                | 13                       | 21.5                      | TO-220FP                    |
| STP18N60M2                 | 600                  | 0.28                                                    | -                | 13                       | 21.5                      | TO-220                      |
| STW18N60M2                 | 600                  | 0.28                                                    | -                | 13                       | 21.5                      | TO-247                      |
| STF18NM60N                 | 600                  | 0.285                                                   | -                | 13                       | 35                        | TO-220FP                    |
| STP18NM60N                 | 600                  | 0.285                                                   | -                | 13                       | 35                        | TO-220                      |
| STW19NM60N                 | 600                  | 0.285                                                   | Yes              | 13                       | 35                        | TO-247                      |
| STB18N60DM2 <sup>(1)</sup> | 600                  | 0.295                                                   | -                | 12                       | 20                        | D <sup>2</sup> PAK          |
| STW18N60DM2 <sup>(1)</sup> | 600                  | 0.295                                                   | -                | 12                       | 20                        | TO-247                      |
| STP18N60DM2 <sup>(1)</sup> | 600                  | 0.295                                                   | -                | 12                       | 20                        | TO-220                      |
| STW18N60DM2 <sup>(1)</sup> | 600                  | 0.295                                                   | -                | 12                       | 20                        | TO-247                      |
| STF18N60DM2 <sup>(1)</sup> | 600                  | 0.295                                                   | -                | 12                       | 20                        | TO-220FP                    |
| STL18N60M2                 | 600                  | 0.308                                                   | -                | 9                        | 21.5                      | PowerFLAT 5x6 HV            |
| STL19N60M2                 | 600                  | 0.308                                                   | -                | 12                       | 21.5                      | PowerFLAT 8x8 HV            |
| STFU18N60M2                | 600                  | 0.308                                                   | -                | 9                        | 21.5                      | TO-220FP ultra narrow leads |
| STL18N60M6 <sup>(*)</sup>  | 600                  | 0.31                                                    | -                | -                        | -                         | PowerFLAT 5x6 HV            |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|--------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STL18NM60N                     | 600                  | 0.31                                                    | -                | 12                       | 35                        | PowerFLAT 8x8 HV     |
| STW16N60M6 <sup>(*)</sup>      | 600                  | 0.32                                                    | -                | 12                       | 18                        | TO-247               |
| STD16N60M6 <sup>(*)</sup>      | 600                  | 0.32                                                    | -                | 12                       | 18                        | DPAK                 |
| STP16N60M6 <sup>(*)</sup>      | 600                  | 0.32                                                    | -                | 12                       | 18                        | TO-220               |
| STF16N60M6 <sup>(*)</sup>      | 600                  | 0.32                                                    | -                | 12                       | 18                        | TO-220FP             |
| STL19N60DM2 <sup>(1)</sup>     | 600                  | 0.32                                                    | -                | -                        | 20                        | PowerFLAT 8x8 HV     |
| STD16N60M2                     | 600                  | 0.32                                                    | -                | 12                       | 19                        | DPAK                 |
| STF16N60M2                     | 600                  | 0.32                                                    | -                | 12                       | 19                        | TO-220FP             |
| STP16N60M2                     | 600                  | 0.32                                                    | -                | 12                       | 19                        | TO-220               |
| STU16N60M2                     | 600                  | 0.32                                                    | -                | 12                       | 18                        | IPAK                 |
| STF116N60M6 <sup>(*)</sup>     | 600                  | 0.32                                                    | -                | 12                       | 18                        | I <sup>2</sup> PAKFP |
| STL16N60M6 <sup>(*)</sup>      | 600                  | 0.35                                                    | -                | 8                        | 18                        | PowerFLAT 5x6 HV     |
| STL16N60M2                     | 600                  | 0.355                                                   | -                | 8                        | 19                        | PowerFLAT 5x6 HV     |
| STP13NM60N                     | 600                  | 0.36                                                    | -                | 11                       | 30                        | TO-220               |
| STD13N60DM2 <sup>(*)</sup> (1) | 600                  | 0.365                                                   | -                | 8.5                      | 13                        | DPAK                 |
| STF13N60DM2 <sup>(*)</sup> (1) | 600                  | 0.365                                                   | -                | 8.5                      | 13                        | TO-220FP             |
| STD13N60DM2 <sup>(*)</sup> (1) | 600                  | 0.365                                                   | -                | 12                       | 20                        | DPAK                 |
| STD15N60M2-EP                  | 600                  | 0.378                                                   | -                | 11                       | 17                        | DPAK                 |
| STF15N60M2-EP                  | 600                  | 0.378                                                   | -                | 11                       | 17                        | TO-220FP             |
| STF115N60M2-EP                 | 600                  | 0.378                                                   | -                | 11                       | 17                        | I <sup>2</sup> PAKFP |
| STP15N60M2-EP                  | 600                  | 0.378                                                   | -                | 11                       | 17                        | TO-220               |
| STD13NM60ND <sup>(1)</sup>     | 600                  | 0.38                                                    | -                | 11                       | 24.5                      | DPAK                 |
| STF13NM60ND <sup>(1)</sup>     | 600                  | 0.38                                                    | -                | 11                       | 24.5                      | TO-220FP             |
| STB13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | D <sup>2</sup> PAK   |
| STD13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | DPAK                 |
| STF13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | TO-220FP             |
| STP13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | TO-220               |
| STU13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | IPAK                 |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>s</sub> (typ) (nC) | Package                     |
|--------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STW13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | TO-247                      |
| STF13N60M2                     | 600                  | 0.38                                                    | -                | 11                       | 17                        | TO-220FP ultra narrow leads |
| STL13N60DM2 <sup>(*)</sup> (1) | 600                  | 0.38                                                    | -                | 8.5                      | 20                        | PowerFLAT 5x6 HV            |
| STL15N60M2-EP                  | 600                  | 0.418                                                   | -                | 7                        | 17                        | PowerFLAT 5x6 HV            |
| STL13N60M2                     | 600                  | 0.42                                                    | -                | 7                        | 16                        | PowerFLAT 5x6 HV            |
| STP11N60DM2 <sup>(*)</sup> (1) | 600                  | 0.42                                                    | -                | 11                       | 16                        | TO-220                      |
| STF11N60DM2 <sup>(*)</sup> (1) | 600                  | 0.42                                                    | -                | 11                       | 16                        | TO-220FP                    |
| STD11N60DM2 <sup>(*)</sup> (1) | 600                  | 0.42                                                    | -                | 11                       | 16                        | DPAK                        |
| STD12N60M2                     | 600                  | 0.45                                                    | -                | 9                        | 16                        | DPAK                        |
| STF12N60M2                     | 600                  | 0.45                                                    | -                | 9                        | 16                        | TO-220FP                    |
| STF12N60M2                     | 600                  | 0.45                                                    | -                | 9                        | 16                        | IPAKFP                      |
| STP12N60M2                     | 600                  | 0.45                                                    | -                | 9                        | 16                        | TO-220                      |
| STU12N60M2                     | 600                  | 0.45                                                    | -                | 9                        | 16                        | IPAK                        |
| STL12N60M2                     | 600                  | 0.495                                                   | -                | 6.5                      | 16                        | PowerFLAT 5x6 HV            |
| STF10N60DM2 <sup>(*)</sup> (1) | 600                  | 0.53                                                    | -                | 8.5                      | 14                        | TO-220FP                    |
| STD10N60DM2 <sup>(*)</sup> (1) | 600                  | 0.53                                                    | -                | 8.5                      | 14                        | DPAK                        |
| STD11N60M2-EP                  | 600                  | 0.595                                                   | -                | 7.5                      | 12                        | DPAK                        |
| STF11N60M2-EP                  | 600                  | 0.595                                                   | -                | 7.5                      | 12                        | TO-220FP                    |
| STF11N60M2-EP                  | 600                  | 0.595                                                   | -                | 7.5                      | 12                        | IPAKFP                      |
| STD10NM60ND <sup>(1)</sup>     | 600                  | 0.6                                                     | -                | 8                        | 20                        | DPAK                        |
| STF10NM60ND <sup>(1)</sup>     | 600                  | 0.6                                                     | -                | 8                        | 20                        | TO-220FP                    |
| STB10N60M2                     | 600                  | 0.6                                                     | -                | 7.5                      | 13.5                      | D <sup>2</sup> PAK          |
| STD10N60M2                     | 600                  | 0.6                                                     | -                | 7.5                      | 13.5                      | DPAK                        |
| STF10N60M2                     | 600                  | 0.6                                                     | -                | 7.5                      | 13.5                      | TO-220FP                    |
| STP10N60M2                     | 600                  | 0.6                                                     | -                | 7.5                      | 13.5                      | TO-220                      |
| STU10N60M2                     | 600                  | 0.6                                                     | -                | 7.5                      | 13.5                      | IPAK                        |
| STF8N60DM2 <sup>(*)</sup> (1)  | 600                  | 0.6                                                     | -                | 8                        | 13.5                      | TO-220FP                    |
| STD8N60DM2 <sup>(*)</sup> (1)  | 600                  | 0.6                                                     | -                | 8                        | 13.5                      | DPAK                        |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                   | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                |
|-------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|------------------------|
| STL11N60M2-EP                 | 600                  | 0.652                                                   | -                | 4                        | 12                        | PowerFLAT 5X5 HV       |
| STL10N60M2                    | 600                  | 0.66                                                    | -                | 5.5                      | 13.5                      | PowerFLAT 5x6 HV       |
| STD9N60M2                     | 600                  | 0.78                                                    | -                | 5.5                      | 10                        | DPAK                   |
| STF9N60M2                     | 600                  | 0.78                                                    | -                | 5.5                      | 10                        | TO-220FP               |
| STP9N60M2                     | 600                  | 0.78                                                    | -                | 5.5                      | 10                        | TO-220                 |
| STU9N60M2                     | 600                  | 0.78                                                    | -                | 5.5                      | 10                        | IPAK                   |
| STL9N60M2                     | 600                  | 0.86                                                    | -                | 4.8                      | 10                        | PowerFLAT 5x6 HV       |
| STD7NM60N                     | 600                  | 0.9                                                     | -                | 5                        | 14                        | DPAK                   |
| STU7NM60N                     | 600                  | 0.9                                                     | -                | 5                        | 14                        | IPAK                   |
| STD10N60M2                    | 600                  | 0.95                                                    | -                | 5                        | 8.8                       | TO-220FP               |
| STD7N60M2                     | 600                  | 0.95                                                    | -                | 5                        | 8.8                       | DPAK                   |
| STF7N60M2                     | 600                  | 0.95                                                    | -                | 5                        | 8.8                       | TO-220FP               |
| STP7N60M2                     | 600                  | 0.95                                                    | -                | 5                        | 8.8                       | TO-220                 |
| STU7N60M2                     | 600                  | 0.95                                                    | -                | 5                        | 8.8                       | IPAK                   |
| STL7N60M2                     | 600                  | 1.05                                                    | -                | 5                        | 8.8                       | PowerFLAT 5X5 HV       |
| STB6N60M2                     | 600                  | 1.2                                                     | -                | 4.5                      | 8                         | D <sup>2</sup> PAK     |
| STD6N60M2                     | 600                  | 1.2                                                     | -                | 4.5                      | 8                         | DPAK                   |
| STF6N60M2                     | 600                  | 1.2                                                     | -                | 4.5                      | 8                         | TO-220FP               |
| STP6N60M2                     | 600                  | 1.2                                                     | -                | 4.5                      | 8                         | TO-220                 |
| STU6N60M2                     | 600                  | 1.2                                                     | -                | 4.5                      | 8                         | IPAK                   |
| STD5N60M2                     | 600                  | 1.4                                                     | -                | 3.7                      | 4.5                       | DPAK                   |
| STF5N60M2                     | 600                  | 1.4                                                     | -                | 3.7                      | 4.5                       | TO-220FP               |
| STP5N60M2                     | 600                  | 1.4                                                     | -                | 3.7                      | 4.5                       | TO-220                 |
| STU5N60M2                     | 600                  | 1.4                                                     | -                | 3.7                      | 4.5                       | IPAK                   |
| STD5N60DM2 <sup>(*)</sup> (1) | 600                  | 1.55                                                    | -                | 3.5                      | 8.6                       | DPAK                   |
| STD3NM60N                     | 600                  | 1.8                                                     | -                | 3.3                      | 9.5                       | DPAK                   |
| STL3NM60N                     | 600                  | 1.8                                                     | -                | 2.2                      | 9.5                       | PowerFLAT 3.3 X 3.3 HV |
| STD2LN60K3                    | 600                  | 4.5                                                     | -                | 2                        | 12                        | DPAK                   |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package           |
|----------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-------------------|
| STQ2LN60K3-AP              | 600                  | 4.5                                                     | -                | 2                        | 9                         | TO-92             |
| STF17N62K3                 | 620                  | 0.34                                                    | -                | 15.5                     | 105                       | TO-220FP          |
| STF10N62K3                 | 620                  | 0.75                                                    | -                | 8.4                      | 42                        | TO-220FP          |
| STF110N62K3                | 620                  | 0.75                                                    | -                | 8.4                      | 42                        | IPAKFP            |
| STD6N62K3                  | 620                  | 1.2                                                     | -                | 5.5                      | 34                        | DPAK              |
| STF6N62K3                  | 620                  | 1.2                                                     | -                | 5.5                      | 34                        | TO-220FP          |
| STP6N62K3                  | 620                  | 1.2                                                     | -                | 5.5                      | 34                        | TO-220            |
| STU6N62K3                  | 620                  | 1.2                                                     | -                | 5.5                      | 34                        | IPAK              |
| STD5N62K3                  | 620                  | 1.6                                                     | -                | 4.2                      | 26                        | DPAK              |
| STD4N62K3                  | 620                  | 2                                                       | -                | 3.8                      | 22                        | DPAK              |
| STF4N62K3                  | 620                  | 2                                                       | -                | 3.8                      | 22                        | TO-220FP          |
| STU4N62K3                  | 620                  | 2                                                       | -                | 3.8                      | 22                        | IPAK              |
| STD3N62K3                  | 620                  | 2.5                                                     | -                | 2.7                      | 13                        | DPAK              |
| STF3N62K3                  | 620                  | 2.5                                                     | -                | 2.7                      | 13                        | TO-220FP          |
| STD3LN62K3                 | 620                  | 3                                                       | -                | 2.5                      | 17                        | DPAK              |
| STU3LN62K3                 | 620                  | 3                                                       | -                | 2.5                      | 17                        | IPAK              |
| STD2N62K3                  | 620                  | 3.6                                                     | -                | 2.2                      | 15                        | DPAK              |
| STF2N62K3                  | 620                  | 3.6                                                     | -                | 2.2                      | 15                        | TO-220FP          |
| STU2N62K3                  | 620                  | 3.6                                                     | -                | 2.2                      | 10                        | IPAK              |
| STE145N65M5                | 650                  | 0.015                                                   | -                | 138                      | 414                       | ISOTOP            |
| STY145N65M5                | 650                  | 0.015                                                   | -                | 138                      | 434                       | Max247            |
| STE139N65M5 <sup>(*)</sup> | 650                  | 0.017                                                   | -                | 130                      | 363                       | ISOTOP            |
| STY139N65M5                | 650                  | 0.017                                                   | -                | 130                      | 363                       | Max247            |
| STE88N65M5                 | 650                  | 0.029                                                   | -                | 88                       | 204                       | ISOTOP            |
| STW88N65M5                 | 650                  | 0.029                                                   | -                | 84                       | 204                       | TO-247            |
| STW88N65M5-4               | 650                  | 0.029                                                   | -                | 84                       | 204                       | TO247-4           |
| STWA88N65M5                | 650                  | 0.029                                                   | -                | 84                       | 204                       | TO-247 long leads |
| STW78N65M5                 | 650                  | 0.032                                                   | Yes              | 69                       | 203                       | TO-247            |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                   | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|-------------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STFW69N65M5                   | 650                  | 0.045                                                   | -                | 58                       | 143                       | TO-3PF             |
| STW69N65M5                    | 650                  | 0.045                                                   | -                | 58                       | 143                       | TO-247             |
| STW69N65M5-4                  | 650                  | 0.045                                                   | -                | 58                       | 143                       | TO247-4            |
| STW62N65M5                    | 650                  | 0.049                                                   | Yes              | 46                       | 142                       | TO-247             |
| STWA65N65DM2AG <sup>(1)</sup> | 650                  | 0.05                                                    | Yes              | 60                       | 120                       | TO-247 long leads  |
| STW65N65DM2AG <sup>(1)</sup>  | 650                  | 0.05                                                    | Yes              | 60                       | 120                       | TO-247             |
| STW70N65M2                    | 650                  | 0.062                                                   | -                | 48                       | 110                       | TO-247             |
| STW56N65M2                    | 650                  | 0.062                                                   | -                | 49                       | 93                        | TO-247             |
| STW56N65M2-4                  | 650                  | 0.062                                                   | -                | 49                       | 93                        | TO247-4            |
| STB43N65M5                    | 650                  | 0.063                                                   | Yes              | 42                       | 100                       | D2PAK              |
| STB57N65M5                    | 650                  | 0.063                                                   | -                | 42                       | 98                        | D2PAK              |
| STF57N65M5                    | 650                  | 0.063                                                   | -                | 42                       | 98                        | TO-220FP           |
| STP57N65M5                    | 650                  | 0.063                                                   | -                | 42                       | 98                        | TO-220             |
| STW57N65M5                    | 650                  | 0.063                                                   | -                | 42                       | 98                        | TO-247             |
| STW57N65M5-4                  | 650                  | 0.063                                                   | -                | 42                       | 98                        | TO247-4            |
| STWA57N65M5                   | 650                  | 0.063                                                   | -                | 42                       | 98                        | TO-247 long leads  |
| STW56N65DM2 <sup>(1)</sup>    | 650                  | 0.065                                                   | -                | 48                       | 88                        | TO-247             |
| STW58N65DM2AG <sup>(1)</sup>  | 650                  | 0.065                                                   | Yes              | 48                       | 88                        | TO-247             |
| STL57N65M5                    | 650                  | 0.069                                                   | -                | 22.5                     | 96                        | PowerFLAT 8x8 HV   |
| STB45N65M5                    | 650                  | 0.078                                                   | -                | 35                       | 82                        | D <sup>2</sup> PAK |
| STF45N65M5                    | 650                  | 0.078                                                   | -                | 35                       | 82                        | TO-220FP           |
| STFW45N65M5                   | 650                  | 0.078                                                   | -                | 35                       | 82                        | TO-3PF             |
| STP45N65M5                    | 650                  | 0.078                                                   | -                | 35                       | 82                        | TO-220             |
| STW45N65M5                    | 650                  | 0.078                                                   | -                | 35                       | 82                        | TO-247             |
| STWA45N65M5                   | 650                  | 0.078                                                   | -                | 35                       | 82                        | TO-247 long leads  |
| STL45N65M5                    | 650                  | 0.086                                                   | -                | 22.5                     | 82                        | PowerFLAT 8x8 HV   |
| STW50N65DM2AG <sup>(1)</sup>  | 650                  | 0.087                                                   | Yes              | 38                       | 70                        | TO-247             |
| STB38N65M5                    | 650                  | 0.095                                                   | -                | 30                       | 71                        | D <sup>2</sup> PAK |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number                 | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|-----------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STF38N65M5                  | 650                  | 0.095                                                   | -                | 30                       | 71                        | TO-220FP             |
| STFW38N65M5                 | 650                  | 0.095                                                   | -                | 30                       | 71                        | TO-3PF               |
| STP38N65M5                  | 650                  | 0.095                                                   | -                | 30                       | 71                        | TO-220               |
| STW38N65M5                  | 650                  | 0.095                                                   | -                | 30                       | 71                        | TO-247               |
| STW38N65M5-4 <sup>(*)</sup> | 650                  | 0.095                                                   | -                | 30                       | 71                        | TO247-4              |
| STF40N65M2                  | 650                  | 0.099                                                   | -                | 32                       | 56                        | TO-220FP             |
| STI40N65M2                  | 650                  | 0.099                                                   | -                | 32                       | 56                        | I <sup>2</sup> PAK   |
| STP40N65M2                  | 650                  | 0.099                                                   | -                | 32                       | 56                        | TO-220               |
| STW40N65M2                  | 650                  | 0.099                                                   | -                | 32                       | 56                        | TO-247               |
| STL38N65M5                  | 650                  | 0.105                                                   | -                | 22.5                     | 71                        | PowerFLAT 8x8 HV     |
| STB34N65M5                  | 650                  | 0.11                                                    | -                | 29                       | 70                        | D <sup>2</sup> PAK   |
| STF34N65M5                  | 650                  | 0.11                                                    | -                | 29                       | 70                        | TO-220FP             |
| STFI34N65M5                 | 650                  | 0.11                                                    | -                | 29                       | 70                        | I <sup>2</sup> PAKFP |
| STP34N65M5                  | 650                  | 0.11                                                    | -                | 29                       | 70                        | TO-220               |
| STW34N65M5                  | 650                  | 0.11                                                    | -                | 29                       | 70                        | TO-247               |
| STL34N65M5                  | 650                  | 0.12                                                    | -                | 22.5                     | 62.5                      | PowerFLAT 8x8 HV     |
| STB33N65M2                  | 650                  | 0.14                                                    | -                | 24                       | 41.5                      | D <sup>2</sup> PAK   |
| STF33N65M2                  | 650                  | 0.14                                                    | -                | 24                       | 41.5                      | TO-220FP             |
| STI33N65M2                  | 650                  | 0.14                                                    | -                | 24                       | 41.5                      | I <sup>2</sup> PAK   |
| STP33N65M2                  | 650                  | 0.14                                                    | -                | 24                       | 41.5                      | TO-220               |
| STB31N65M5                  | 650                  | 0.148                                                   | -                | 22                       | 55                        | D <sup>2</sup> PAK   |
| STF31N65M5                  | 650                  | 0.148                                                   | -                | 22                       | 55                        | TO-220FP             |
| STFI31N65M5                 | 650                  | 0.148                                                   | -                | 22                       | 55                        | I <sup>2</sup> PAKFP |
| STP31N65M5                  | 650                  | 0.148                                                   | -                | 22                       | 55                        | TO-220               |
| STW31N65M5                  | 650                  | 0.148                                                   | -                | 22                       | 55                        | TO-247               |
| STL33N65M2                  | 650                  | 0.154                                                   | -                | 20                       | 41.5                      | PowerFLAT 8x8 HV     |
| STL31N65M5                  | 650                  | 0.162                                                   | -                | 15                       | 45                        | PowerFLAT 8x8 HV     |
| STB28N65M2                  | 650                  | 0.18                                                    | -                | 20                       | 35                        | D <sup>2</sup> PAK   |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|-------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STF28N65M2  | 650                  | 0.18                                                    | -                | 20                       | 35                        | TO-220FP                    |
| STFU28N65M2 | 650                  | 0.18                                                    | -                | 20                       | 35                        | TO-220FP ultra narrow leads |
| STP28N65M2  | 650                  | 0.18                                                    | -                | 20                       | 35                        | TO-220                      |
| STW28N65M2  | 650                  | 0.18                                                    | -                | 20                       | 35                        | TO-247                      |
| STB20N65M5  | 650                  | 0.19                                                    | -                | 18                       | 36                        | D <sup>2</sup> PAK          |
| STF20N65M5  | 650                  | 0.19                                                    | -                | 18                       | 36                        | TO-220FP                    |
| STFI20N65M5 | 650                  | 0.19                                                    | -                | 18                       | 36                        | I <sup>2</sup> PAKFP        |
| STP20N65M5  | 650                  | 0.19                                                    | -                | 18                       | 36                        | TO-220                      |
| STW20N65M5  | 650                  | 0.19                                                    | -                | 18                       | 36                        | TO-247                      |
| STL22N65M5  | 650                  | 0.22                                                    | -                | 15                       | 45                        | PowerFLAT 8x8 HV            |
| STF18N65M5  | 650                  | 0.22                                                    | -                | 15                       | 34                        | TO-220FP                    |
| STP18N65M5  | 650                  | 0.22                                                    | -                | 15                       | 34                        | TO-220                      |
| STB24N65M2  | 650                  | 0.23                                                    | -                | 16                       | 29                        | D <sup>2</sup> PAK          |
| STF24N65M2  | 650                  | 0.23                                                    | -                | 16                       | 29                        | TO-220FP                    |
| STP24N65M2  | 650                  | 0.23                                                    | -                | 16                       | 29                        | TO-220                      |
| STL18N65M5  | 650                  | 0.24                                                    | -                | 15                       | 31                        | PowerFLAT 5x6 HV            |
| STL19N65M5  | 650                  | 0.24                                                    | -                | 12.5                     | 31                        | PowerFLAT 8x8 HV            |
| STL24N65M2  | 650                  | 0.25                                                    | -                | 14                       | 29                        | PowerFLAT 8x8 HV            |
| STF18N65M2  | 650                  | 0.33                                                    | -                | 12                       | 20                        | TO-220FP                    |
| STFU18N65M2 | 650                  | 0.33                                                    | -                | 12                       | 20                        | TO-220FP ultra narrow leads |
| STI18N65M2  | 650                  | 0.33                                                    | -                | 12                       | 20                        | I <sup>2</sup> PAK          |
| STP18N65M2  | 650                  | 0.33                                                    | -                | 12                       | 20                        | TO-220                      |
| STFI18N65M2 | 650                  | 0.33                                                    | -                | 12                       | 20                        | I <sup>2</sup> PAKFP        |
| STB15N65M5  | 650                  | 0.34                                                    | -                | 11                       | 22                        | D <sup>2</sup> PAK          |
| STD15N65M5  | 650                  | 0.34                                                    | -                | 11                       | 22                        | DPAK                        |
| STF15N65M5  | 650                  | 0.34                                                    | -                | 11                       | 22                        | TO-220FP                    |
| STFI15N65M5 | 650                  | 0.34                                                    | -                | 11                       | 22                        | I <sup>2</sup> PAKFP        |
| STP15N65M5  | 650                  | 0.34                                                    | -                | 11                       | 22                        | TO-220                      |
| STD16N65M2  | 650                  | 0.36                                                    | -                | 11                       | 19.5                      | DPAK                        |

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|-------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STF16N65M2  | 650                  | 0.36                                                    | -                | 11                       | 19.5                      | TO-220FP                    |
| STP16N65M2  | 650                  | 0.36                                                    | -                | 11                       | 19.5                      | TO-220                      |
| STU16N65M2  | 650                  | 0.36                                                    | -                | 11                       | 19.5                      | IPAK                        |
| STL18N65M2  | 650                  | 0.365                                                   | -                | 8                        | 20                        | PowerFLAT 5x6 HV            |
| STL17N65M5  | 650                  | 0.374                                                   | -                | 10                       | 22                        | PowerFLAT 8x8 HV            |
| STL15N65M5  | 650                  | 0.375                                                   | -                | 10                       | 22                        | PowerFLAT 5x6 HV            |
| STL16N65M2  | 650                  | 0.395                                                   | -                | 7.5                      | 19.5                      | PowerFLAT 5x6 HV            |
| STL16N65M2  | 650                  | 0.395                                                   | -                | 7.5                      | -                         | PowerFLAT 5x6 HV            |
| STD13N65M2  | 650                  | 0.43                                                    | -                | 10                       | 17                        | DPAK                        |
| STF13N65M2  | 650                  | 0.43                                                    | -                | 10                       | 17                        | TO-220FP                    |
| STF113N65M2 | 650                  | 0.43                                                    | -                | 10                       | 17                        | I <sup>2</sup> PAKFP        |
| STFU13N65M2 | 650                  | 0.43                                                    | -                | 10                       | 17                        | TO-220FP ultra narrow leads |
| STP13N65M2  | 650                  | 0.43                                                    | -                | 10                       | 17                        | TO-220                      |
| STU13N65M2  | 650                  | 0.43                                                    | -                | 10                       | 17                        | IPAK                        |
| STL13N65M2  | 650                  | 0.475                                                   | -                | 6.5                      | 17                        | PowerFLAT 5x6 HV            |
| STD11N65M5  | 650                  | 0.48                                                    | -                | 9                        | 17                        | DPAK                        |
| STF11N65M5  | 650                  | 0.48                                                    | -                | 9                        | 17                        | TO-220FP                    |
| STP11N65M5  | 650                  | 0.48                                                    | -                | 9                        | 17                        | TO-220                      |
| STD12N65M2  | 650                  | 0.5                                                     | -                | 8                        | 16.5                      | DPAK                        |
| STF12N65M2  | 650                  | 0.5                                                     | -                | 8                        | 16.5                      | TO-220FP                    |
| STP12N65M2  | 650                  | 0.5                                                     | -                | 8                        | 16.5                      | TO-220                      |
| STL12N65M5  | 650                  | 0.53                                                    | -                | 8.5                      | 17                        | PowerFLAT 5x6 HV            |
| STL12HN65M2 | 650                  | 0.55                                                    | -                | 8                        | 16.5                      | PowerFLAT 5x6 HV            |
| STD11N65M2  | 650                  | 0.68                                                    | -                | 7                        | 12.5                      | DPAK                        |
| STF11N65M2  | 650                  | 0.68                                                    | -                | 7                        | 12.5                      | TO-220FP                    |
| STF11N65M2  | 650                  | 0.68                                                    | -                | 7                        | 12.5                      | I <sup>2</sup> PAKFP        |
| STP11N65M2  | 650                  | 0.68                                                    | -                | 7                        | 12.5                      | TO-220                      |
| STU11N65M2  | 650                  | 0.68                                                    | -                | 7                        | 12.5                      | IPAK                        |
| STL12N65M2  | 650                  | 0.75                                                    | -                | 5                        | 12.5                      | PowerFLAT 5x6 HV            |

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number              | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package          |
|--------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|------------------|
| STL11N65M2               | 650                  | 0.75                                                    | -                | 5                        | 12.5                      | PowerFLAT 5X5 HV |
| STD9HN65M2               | 650                  | 0.82                                                    | -                | 5.5                      | 11.5                      | DPAK             |
| STF9HN65M2               | 650                  | 0.82                                                    | -                | 5.5                      | 11.5                      | TO-220FP         |
| STU9HN65M2               | 650                  | 0.82                                                    | -                | 5.5                      | 11.5                      | IPAK             |
| STD9N65M2                | 650                  | 0.9                                                     | -                | 5                        | 10                        | DPAK             |
| STF9N65M2                | 650                  | 0.9                                                     | -                | 5                        | 10                        | TO-220FP         |
| STP9N65M2                | 650                  | 0.9                                                     | -                | 5                        | 10                        | TO-220           |
| STU9N65M2                | 650                  | 0.9                                                     | -                | 5                        | 10                        | IPAK             |
| STL10HN65M2              | 650                  | 0.9                                                     | -                | 5                        | 11.5                      | PowerFLAT 5x6 HV |
| STD7N65M6 <sup>(*)</sup> | 650                  | 0.99                                                    | -                | 5                        | -                         | DPAK             |
| STU7N65M6 <sup>(*)</sup> | 650                  | 0.99                                                    | -                | 5                        | -                         | IPAK             |
| STL9N65M2                | 650                  | 1                                                       | -                | 4.5                      | 10                        | PowerFLAT 5X5 HV |
| STL10N65M2               | 650                  | 1                                                       | -                | 4.5                      | 10                        | PowerFLAT 5x6 HV |
| STF10N65K3               | 650                  | 1                                                       | -                | 10                       | 42                        | TO-220FP         |
| STP7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | TO-220           |
| STU7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | IPAK             |
| STD7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | DPAK             |
| STF7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | TO-220FP         |
| STD7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | DPAK             |
| STF7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | TO-220FP         |
| STP7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | TO-220           |
| STU7N65M2                | 650                  | 1.15                                                    | -                | 5                        | 9                         | IPAK             |
| STL8N65M2                | 650                  | 1.25                                                    | -                | 5                        | 9                         | PowerFLAT 5x6 HV |
| STL8N65M2                | 650                  | 1.25                                                    | -                | 5                        | 9                         | PowerFLAT 5x6 HV |
| STU5N65M6 <sup>(*)</sup> | 650                  | 1.3                                                     | -                | 3.8                      | 7                         | IPAK             |
| STF5N65M6 <sup>(*)</sup> | 650                  | 1.3                                                     | -                | 3.8                      | 7                         | TO-220FP         |
| STD5N65M6 <sup>(*)</sup> | 650                  | 1.3                                                     | -                | 3.8                      | 7                         | DPAK             |
| STF6N65K3                | 650                  | 1.3                                                     | -                | 5.4                      | 33                        | TO-220FP         |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-CHANNEL >350 V TO 700 V (CONT'D)

| Part Number              | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                |
|--------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|------------------------|
| STB6N65M2                | 650                  | 1.35                                                    | -                | 4                        | 9.8                       | D <sup>2</sup> PAK     |
| STD6N65M2                | 650                  | 1.35                                                    | -                | 4                        | 9.8                       | DPAK                   |
| STF6N65M2                | 650                  | 1.35                                                    | -                | 4                        | 9.8                       | TO-220FP               |
| STP6N65M2                | 650                  | 1.35                                                    | -                | 4                        | 9.8                       | TO-220                 |
| STU6N65M2                | 650                  | 1.35                                                    | -                | 4                        | 9.8                       | IPAK                   |
| STL3N65M6 <sup>(*)</sup> | 650                  | 1.5                                                     | -                | 3.5                      | -                         | PowerFLAT 3.3 X 3.3 HV |
| STF3N65M6 <sup>(*)</sup> | 650                  | 1.5                                                     | -                | 3.5                      | -                         | TO-220FP               |
| STU3N65M6 <sup>(*)</sup> | 650                  | 1.5                                                     | -                | 3.5                      | -                         | IPAK                   |
| STD3N65M6 <sup>(*)</sup> | 650                  | 1.5                                                     | -                | 3.5                      | -                         | DPAK                   |
| STU7N70M6 <sup>(*)</sup> | 700                  | 0.99                                                    | -                | 4                        | -                         | IPAK                   |
| STQ2NK60ZR-AP            | 600                  | 7.8                                                     | -                | 0.25                     | 7                         | TO-92                  |
| STD1HN60K3               | 600                  | 8                                                       | -                | 1.2                      | 9.5                       | DPAK                   |
| STN1NK60Z                | 600                  | 15                                                      | -                | 0.3                      | 4.9                       | SOT-223                |

Note: (\*) coming soon, (1) Fast recovery diode devices

## N-channel >700 V

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|-------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|-----------------------------|
| STW65N80K5  | 800                  | 0.08                                                    | -                | 46                       | 92                        | TO-247                      |
| STB30N80K5  | 800                  | 0.18                                                    | -                | 24                       | 43                        | D <sup>2</sup> PAK          |
| STW30N80K5  | 800                  | 0.18                                                    | -                | 24                       | 43                        | TO-247                      |
| STB25N80K5  | 800                  | 0.26                                                    | -                | 19.5                     | 40                        | D <sup>2</sup> PAK          |
| STF25N80K5  | 800                  | 0.26                                                    | -                | 19.5                     | 40                        | TO-220FP                    |
| STP25N80K5  | 800                  | 0.26                                                    | -                | 19.5                     | 40                        | TO-220                      |
| STW25N80K5  | 800                  | 0.26                                                    | -                | 19.5                     | 40                        | TO-247                      |
| STB23N80K5  | 800                  | 0.28                                                    | -                | 16                       | 33                        | D <sup>2</sup> PAK          |
| STP23N80K5  | 800                  | 0.28                                                    | -                | 16                       | 33                        | TO-220                      |
| STF23N80K5  | 800                  | 0.28                                                    | -                | 16                       | 33                        | TO-220FP                    |
| STW23N80K5  | 800                  | 0.28                                                    | -                | 16                       | 33                        | TO-247                      |
| STB17N80K5  | 800                  | 0.34                                                    | -                | 14                       | 26                        | D <sup>2</sup> PAK          |
| STF17N80K5  | 800                  | 0.34                                                    | -                | 14                       | 26                        | TO-220FP                    |
| STP17N80K5  | 800                  | 0.34                                                    | -                | 14                       | 26                        | TO-220                      |
| STB15N80K5  | 800                  | 0.375                                                   | -                | 14                       | 30                        | D <sup>2</sup> PAK          |
| STF15N80K5  | 800                  | 0.375                                                   | -                | 14                       | 30                        | TO-220FP                    |
| STFU15N80K5 | 800                  | 0.375                                                   | -                | 14                       | 32                        | TO-220FP ultra narrow leads |
| STP15N80K5  | 800                  | 0.375                                                   | -                | 14                       | 30                        | TO-220                      |
| STW15N80K5  | 800                  | 0.375                                                   | -                | 14                       | 30                        | TO-247                      |
| STB14N80K5  | 800                  | 0.445                                                   | -                | 12                       | 22                        | D <sup>2</sup> PAK          |
| STF14N80K5  | 800                  | 0.445                                                   | -                | 12                       | 22                        | TO-220FP                    |
| STF14N80K5  | 800                  | 0.445                                                   | -                | 12                       | 22                        | I <sup>2</sup> PAKFP        |
| STP14N80K5  | 800                  | 0.445                                                   | -                | 12                       | 22                        | TO-220                      |
| STB13N80K5  | 800                  | 0.45                                                    | -                | 12                       | 29                        | D <sup>2</sup> PAK          |
| STF13N80K5  | 800                  | 0.45                                                    | -                | 12                       | 29                        | TO-220FP                    |
| STF13N80K5  | 800                  | 0.45                                                    | -                | 12                       | 29                        | I <sup>2</sup> PAKFP        |
| STP13N80K5  | 800                  | 0.45                                                    | -                | 12                       | 29                        | TO-220                      |
| STW13N80K5  | 800                  | 0.45                                                    | -                | 12                       | 29                        | TO-247                      |

## N-CHANNEL >700 V (CONT'D)

| Part Number | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|-------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STB10LN80K5 | 800                  | 0.63                                                    | -                | 8                        | 15                        | D <sup>2</sup> PAK   |
| STD10LN80K5 | 800                  | 0.63                                                    | -                | 8                        | 15                        | DPAK                 |
| STF10LN80K5 | 800                  | 0.63                                                    | -                | 8                        | 15                        | TO-220FP             |
| STF10LN80K5 | 800                  | 0.63                                                    | -                | 8                        | 15                        | I <sup>2</sup> PAKFP |
| STP10LN80K5 | 800                  | 0.63                                                    | -                | 8                        | 15                        | TO-220               |
| STL10LN80K5 | 800                  | 0.66                                                    | -                | 6                        | 15                        | PowerFLAT 5x6 HV     |
| STD9N80K5   | 800                  | 0.9                                                     | -                | 7                        | 12.5                      | DPAK                 |
| STF9N80K5   | 800                  | 0.9                                                     | -                | 7                        | 12.5                      | TO-220FP             |
| STF9N80K5   | 800                  | 0.9                                                     | -                | 7                        | 12.5                      | I <sup>2</sup> PAKFP |
| STL9N80K5   | 800                  | 0.9                                                     | -                | 7                        | 12.5                      | PowerFLAT 5x6 HV     |
| STP9N80K5   | 800                  | 0.9                                                     | -                | 7                        | 12.5                      | TO-220               |
| STW9N80K5   | 800                  | 0.9                                                     | -                | 7                        | 12.5                      | TO-247               |
| STD8N80K5   | 800                  | 0.95                                                    | -                | 6                        | 16.5                      | DPAK                 |
| STF10N80K5  | 800                  | 0.95                                                    | -                | 9                        | 22                        | TO-220FP             |
| STF8N80K5   | 800                  | 0.95                                                    | -                | 6                        | 16.5                      | TO-220FP             |
| STF8N80K5   | 800                  | 0.95                                                    | -                | 6                        | 16.5                      | I <sup>2</sup> PAKFP |
| STL8N80K5   | 800                  | 0.95                                                    | -                | 6                        | 16.5                      | PowerFLAT 5x6 VHV    |
| STP8N80K5   | 800                  | 0.95                                                    | -                | 6                        | 16.5                      | TO-220               |
| STU8N80K5   | 800                  | 0.95                                                    | -                | 6                        | 16.5                      | IPAK                 |
| STD7LN80K5  | 800                  | 1.15                                                    | -                | 5                        | 12                        | DPAK                 |
| STF7LN80K5  | 800                  | 1.15                                                    | -                | 5                        | 12                        | TO-220FP             |
| STF7LN80K5  | 800                  | 1.15                                                    | -                | 5                        | 12                        | TO-220FP             |
| STP7LN80K5  | 800                  | 1.15                                                    | -                | 5                        | 12                        | TO-220               |
| STU7LN80K5  | 800                  | 1.15                                                    | -                | 5                        | 12                        | IPAK                 |
| STL7LN80K5  | 800                  | 1.15                                                    | -                | 5                        | 12                        | PowerFLAT 5x6 HV     |
| STD7N80K5   | 800                  | 1.2                                                     | -                | 6                        | 13.4                      | DPAK                 |
| STF7N80K5   | 800                  | 1.2                                                     | -                | 6                        | 13.4                      | TO-220FP             |
| STF7N80K5   | 800                  | 1.2                                                     | -                | 6                        | 13.4                      | I <sup>2</sup> PAKFP |
| STL7N80K5   | 800                  | 1.2                                                     | -                | 3.6                      | 13.4                      | PowerFLAT 5x6 VHV    |

## N-CHANNEL >700 V (CONT'D)

| Part Number               | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|---------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STP7N80K5                 | 800                  | 1.2                                                     | -                | 6                        | 13.4                      | TO-220               |
| STU7N80K5                 | 800                  | 1.2                                                     | -                | 6                        | 13.4                      | IPAK                 |
| STB6N80K5                 | 800                  | 1.6                                                     | -                | 4.5                      | 7.5                       | D <sup>2</sup> PAK   |
| STD6N80K5                 | 800                  | 1.6                                                     | -                | 4.5                      | 7.5                       | DPAK                 |
| STF6N80K5                 | 800                  | 1.6                                                     | -                | 4.5                      | 7.5                       | TO-220FP             |
| STF16N80K5                | 800                  | 1.6                                                     | -                | 4.5                      | 7.5                       | I <sup>2</sup> PAKFP |
| STI6N80K5                 | 800                  | 1.6                                                     | -                | 4.5                      | 7.5                       | I <sup>2</sup> PAK   |
| STP6N80K5                 | 800                  | 1.6                                                     | -                | 4.5                      | 7.5                       | TO-220               |
| STB5N80K5                 | 800                  | 1.75                                                    | -                | 4                        | 5.5                       | D <sup>2</sup> PAK   |
| STF15N80K5 <sup>(*)</sup> | 800                  | 1.75                                                    | -                | 4                        | 5.5                       | I <sup>2</sup> PAKFP |
| STP5N80K5 <sup>(*)</sup>  | 800                  | 1.75                                                    | -                | 4                        | 5.5                       | TO-220               |
| STD5N80K5 <sup>(*)</sup>  | 800                  | 1.75                                                    | -                | 4                        | 5.5                       | DPAK                 |
| STF5N80K5 <sup>(*)</sup>  | 800                  | 1.75                                                    | -                | 4                        | 5.5                       | TO-220FP             |
| STL5N80K5 <sup>(*)</sup>  | 800                  | 1.75                                                    | -                | 4                        | 5.5                       | PowerFLAT 5x6 HV     |
| STB9N80Z                  | 800                  | 1.8                                                     | Yes              | 5.2                      | 40                        | D <sup>2</sup> PAK   |
| STD4N80K5                 | 800                  | 2.5                                                     | -                | 3                        | 10.5                      | DPAK                 |
| STF4N80K5                 | 800                  | 2.5                                                     | -                | 3                        | 10.5                      | TO-220FP             |
| STL4N80K5                 | 800                  | 2.5                                                     | -                | 3                        | 10.5                      | PowerFLAT 5x6 VHV    |
| STP4N80K5                 | 800                  | 2.5                                                     | -                | 3                        | 10.5                      | TO-220               |
| STU4N80K5                 | 800                  | 2.5                                                     | -                | 3                        | 10.5                      | IPAK                 |
| STD4LN80K5 <sup>(*)</sup> | 800                  | 2.6                                                     | -                | 3                        | 4                         | DPAK                 |
| STF4LN80K5 <sup>(*)</sup> | 800                  | 2.6                                                     | -                | 3                        | 4                         | TO-220FP             |
| STL4LN80K5 <sup>(*)</sup> | 800                  | 2.6                                                     | -                | 3                        | 4                         | PowerFLAT 5x6 HV     |
| STP4LN80K5 <sup>(*)</sup> | 800                  | 2.6                                                     | -                | 3                        | 4                         | TO-220               |
| STF3LN80K5 <sup>(*)</sup> | 800                  | 3.25                                                    | -                | 2.4                      | -                         | TO-220FP             |
| STD3LN80K5 <sup>(*)</sup> | 800                  | 3.25                                                    | -                | 2.4                      | -                         | DPAK                 |
| STP3LN80K5 <sup>(*)</sup> | 800                  | 3.25                                                    | -                | 2.4                      | -                         | TO-220               |
| STU3LN80K5 <sup>(*)</sup> | 800                  | 3.25                                                    | -                | 2.4                      | -                         | IPAK                 |

Note: \* coming soon

## N-CHANNEL >700 V (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package            |
|----------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|--------------------|
| STD3N80K5                  | 800                  | 3.5                                                     | -                | 2.5                      | 9.5                       | DPAK               |
| STF3N80K5                  | 800                  | 3.5                                                     | -                | 2.5                      | 9.5                       | TO-220FP           |
| STP3N80K5                  | 800                  | 3.5                                                     | -                | 2.5                      | 9.5                       | TO-220             |
| STU3N80K5                  | 800                  | 3.5                                                     | -                | 2.5                      | 9.5                       | IPAK               |
| STD2N80K5                  | 800                  | 4.5                                                     | -                | 2                        | 5                         | DPAK               |
| STF2N80K5                  | 800                  | 4.5                                                     | -                | 2                        | 5                         | TO-220FP           |
| STP2N80K5                  | 800                  | 4.5                                                     | -                | 2                        | 5                         | TO-220             |
| STU2N80K5                  | 800                  | 4.5                                                     | -                | 2                        | 5                         | IPAK               |
| STL2N80K5                  | 800                  | 4.5                                                     | -                | 1.5                      | 5                         | PowerFLAT 5x6 VHV  |
| STD1NK80ZT4                | 800                  | 16                                                      | -                | 1                        | 5                         | DPAK               |
| STN1NK80Z                  | 800                  | 16                                                      | -                | 0.25                     | 5                         | SOT-223            |
| STW23N85K5                 | 850                  | 0.275                                                   | -                | 19                       | 38                        | TO-247             |
| STL23N85K5 <sup>(*)</sup>  | 850                  | 0.275                                                   | -                | 18                       | 38                        | PowerFLAT 8x8 HV   |
| STW40N90K5 <sup>(*)</sup>  | 900                  | 0.11                                                    | -                | 40                       | 95                        | TO-247             |
| STWA40N90K5 <sup>(*)</sup> | 900                  | 0.11                                                    | -                | 40                       | 95                        | TO-247 long leads  |
| STW40N95K5                 | 950                  | 0.13                                                    | -                | 38                       | 93                        | TO-247             |
| STWA40N95K5                | 950                  | 0.13                                                    | -                | 38                       | 93                        | TO-247 long leads  |
| STB20N90K5 <sup>(*)</sup>  | 900                  | 0.26                                                    | -                | 20                       | 45                        | D <sup>2</sup> PAK |
| STF20N90K5 <sup>(*)</sup>  | 900                  | 0.26                                                    | -                | 20                       | 45                        | TO-220FP           |
| STP20N90K5 <sup>(*)</sup>  | 900                  | 0.26                                                    | -                | 20                       | 45                        | TO-220             |
| STW20N90K5 <sup>(*)</sup>  | 900                  | 0.26                                                    | -                | 20                       | 45                        | TO-247             |
| STB21N90K5                 | 900                  | 0.299                                                   | -                | 18.5                     | 43                        | D <sup>2</sup> PAK |
| STF21N90K5                 | 900                  | 0.299                                                   | -                | 18.5                     | 43                        | TO-220FP           |
| STP21N90K5                 | 900                  | 0.299                                                   | -                | 18.5                     | 43                        | TO-220             |
| STW21N90K5                 | 900                  | 0.299                                                   | -                | 18.5                     | 43                        | TO-247             |
| STB20N95K5                 | 950                  | 0.33                                                    | -                | 17.5                     | 48                        | D <sup>2</sup> PAK |
| STF20N95K5                 | 950                  | 0.33                                                    | -                | 17.5                     | 48                        | TO-220FP           |
| STP20N95K5                 | 950                  | 0.33                                                    | -                | 17.5                     | 48                        | TO-220             |

Note: \* coming soon

## N-CHANNEL >700 V (CONT'D)

| Part Number              | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|--------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STW20N95K5               | 950                  | 0.33                                                    | -                | 17.5                     | 48                        | TO-247               |
| STW22N95K5               | 950                  | 0.33                                                    | Yes              | 17.5                     | 48                        | TO-247               |
| STWA20N95K5              | 950                  | 0.33                                                    | -                | 17.5                     | 48                        | TO-247 long leads    |
| STF15N95K5               | 950                  | 0.5                                                     | -                | 12                       | 27                        | TO-220FP             |
| STP15N95K5               | 950                  | 0.5                                                     | -                | 12                       | 27                        | TO-220               |
| STW15N95K5               | 950                  | 0.5                                                     | -                | 12                       | 27                        | TO-247               |
| STW8N90K5 <sup>(*)</sup> | 900                  | 0.8                                                     | -                | 8                        | 17                        | TO-247               |
| STP8N90K5 <sup>(*)</sup> | 900                  | 0.8                                                     | -                | 8                        | 17                        | TO-220               |
| STF8N90K5 <sup>(*)</sup> | 900                  | 0.8                                                     | -                | 8                        | 17                        | TO-220FP             |
| STB8N90K5 <sup>(*)</sup> | 900                  | 0.8                                                     | -                | 8                        | 17                        | D <sup>2</sup> PAK   |
| STB10N95K5               | 950                  | 0.8                                                     | -                | 8                        | 20                        | D <sup>2</sup> PAK   |
| STB10N95K5               | 950                  | 0.8                                                     | -                | 8                        | 20                        | D <sup>2</sup> PAK   |
| STF10N95K5               | 950                  | 0.8                                                     | -                | 8                        | 20                        | TO-220FP             |
| STP10N95K5               | 950                  | 0.8                                                     | -                | 8                        | 20                        | TO-220               |
| STW10N95K5               | 950                  | 0.8                                                     | -                | 8                        | 20                        | TO-247               |
| STD6N90K5 <sup>(*)</sup> | 900                  | 1.25                                                    | -                | 6                        | 13                        | DPAK                 |
| STF6N90K5 <sup>(*)</sup> | 900                  | 1.25                                                    | -                | 6                        | 13                        | TO-220FP             |
| STP6N90K5 <sup>(*)</sup> | 900                  | 1.25                                                    | -                | 6                        | 13                        | TO-220               |
| STU6N90K5 <sup>(*)</sup> | 900                  | 1.25                                                    | -                | 6                        | 13                        | IPAK                 |
| STW6N90K5 <sup>(*)</sup> | 900                  | 1.25                                                    | -                | 6                        | 13                        | TO-247               |
| STD6N95K5                | 950                  | 1.25                                                    | -                | 9                        | 13                        | DPAK                 |
| STF6N95K5                | 950                  | 1.25                                                    | -                | 9                        | 13                        | TO-220FP             |
| STH6N95K5-2              | 950                  | 1.25                                                    | -                | 6                        | 13                        | H <sup>2</sup> PAK-2 |
| STP6N95K5                | 950                  | 1.25                                                    | -                | 9                        | 13                        | TO-220               |
| STU6N95K5                | 950                  | 1.25                                                    | -                | 9                        | 13                        | IPAK                 |
| STW6N95K5                | 950                  | 1.25                                                    | -                | 9                        | 13                        | TO-247               |
| STF9NK90Z                | 900                  | 1.3                                                     | -                | 8                        | 72                        | TO-220FP             |
| STD4N90K5 <sup>(*)</sup> | 900                  | 2.4                                                     | -                | 3.5                      | 8                         | DPAK                 |

Note: \* coming soon

## N-CHANNEL >700 V (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package  |
|----------------------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------|
| STF4N90K5 <sup>(*)</sup>   | 900                  | 2.4                                                     | -                | 3.5                      | 8                         | TO-220FP |
| STP4N90K5 <sup>(*)</sup>   | 900                  | 2.4                                                     | -                | 3.5                      | 8                         | TO-220   |
| STD5N95K5                  | 950                  | 2.5                                                     | -                | 3.5                      | 7                         | DPAK     |
| STF5N95K5                  | 950                  | 2.5                                                     | -                | 3.5                      | 7                         | TO-220FP |
| STU5N95K5                  | 950                  | 2.5                                                     | -                | 3.5                      | 7                         | IPAK     |
| STP5N95K5                  | 950                  | 2.5                                                     | -                | 3.5                      | 7                         | TO-220   |
| STD2N95K5                  | 950                  | 5                                                       | -                | 2                        | 10                        | DPAK     |
| STF2N95K5                  | 950                  | 5                                                       | -                | 2                        | 10                        | TO-220FP |
| STP2N95K5                  | 950                  | 5                                                       | -                | 2                        | 10                        | TO-220   |
| STU3N95K5AG <sup>(*)</sup> | 950                  | 5                                                       | Yes              | 2                        | 10                        | IPAK     |
| STD3N95K5AG <sup>(*)</sup> | 950                  | 5                                                       | Yes              | 2                        | 10                        | DPAK     |
| STU2N95K5                  | 950                  | 5                                                       | -                | 2                        | 10                        | IPAK     |
| STW13NK100Z                | 1000                 | 0.7                                                     | -                | 13.5                     | 220                       | TO-247   |
| STF10N105K5                | 1050                 | 1.3                                                     | -                | 6                        | 21.5                      | TO-220FP |
| STP10N105K5                | 1050                 | 1.3                                                     | -                | 6                        | 21.5                      | TO-220   |
| STD3NK90Z                  | 900                  | 4.8                                                     | -                | 3                        | 22.7                      | DPAK     |
| STD2NK90Z                  | 900                  | 6.5                                                     | -                | 2.1                      | 19.5                      | DPAK     |
| STD2NK90Z-1                | 900                  | 6.5                                                     | -                | 2.1                      | 19.5                      | IPAK     |
| STW10N105K5                | 1050                 | 1.3                                                     | -                | 6                        | 21.5                      | TO-247   |
| STF7N105K5                 | 1050                 | 2                                                       | -                | 4                        | 17                        | TO-220FP |
| STP7N105K5                 | 1050                 | 2                                                       | -                | 4                        | 17                        | TO-220   |
| STU7N105K5                 | 1050                 | 2                                                       | -                | 4                        | 17                        | IPAK     |
| STW7N105K5                 | 1050                 | 2                                                       | -                | 4                        | 17                        | TO-247   |
| STF5N105K5                 | 1050                 | 3.5                                                     | -                | 3                        | 12.5                      | TO-220FP |
| STP5N105K5                 | 1050                 | 3.5                                                     | -                | 3                        | 12.5                      | TO-220   |
| STD3NK100Z                 | 1000                 | 6                                                       | -                | 2.5                      | 18                        | DPAK     |
| STD4NK100Z                 | 1000                 | 6.8                                                     | Yes              | 2.2                      | 18                        | DPAK     |
| STD2N105K5                 | 1050                 | 8                                                       | -                | 1.5                      | 10                        | DPAK     |

Note: \* coming soon

## N-CHANNEL >700 V (CONT'D)

| Part Number   | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ V <sub>GS</sub> 10 V (Ω) | Automotive Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package              |
|---------------|----------------------|---------------------------------------------------------|------------------|--------------------------|---------------------------|----------------------|
| STFW2N105K5   | 1050                 | 8                                                       | -                | 1.5                      | 10                        | TO-3PF               |
| STP2N105K5    | 1050                 | 8                                                       | -                | 1.5                      | 10                        | TO-220               |
| STU2N105K5    | 1050                 | 8                                                       | -                | 1.5                      | 10                        | IPAK                 |
| STP2NK100Z    | 1000                 | 8.5                                                     | -                | 1.85                     | 16                        | TO-220               |
| STFW1N105K3   | 1050                 | 11                                                      | -                | 1.4                      | 13                        | TO-3PF               |
| STF12N120K5   | 1200                 | 0.69                                                    | -                | 12                       | 44.2                      | TO-220FP             |
| STW21N150K5   | 1500                 | 0.9                                                     | -                | 14                       | 95                        | TO-247               |
| STW12N150K5   | 1500                 | 1.9                                                     | -                | 7                        | 47                        | TO-247               |
| STFW12N120K5  | 1200                 | 0.69                                                    | -                | 12                       | 44.2                      | TO-3PF               |
| STH12N120K5-2 | 1200                 | 0.69                                                    | -                | 12                       | 44.2                      | H <sup>2</sup> PAK-2 |
| STP12N120K5   | 1200                 | 0.69                                                    | -                | 12                       | 44.2                      | TO-220               |
| STW12N120K5   | 1200                 | 0.69                                                    | -                | 12                       | 44.2                      | TO-247               |
| STWA12N120K5  | 1200                 | 0.69                                                    | -                | 12                       | 44.2                      | TO-247 long leads    |
| STFW6N120K3   | 1200                 | 2.4                                                     | -                | 6                        | 34                        | TO-3PF               |
| STP6N120K3    | 1200                 | 2.4                                                     | -                | 6                        | 34                        | TO-220               |
| STW6N120K3    | 1200                 | 2.4                                                     | -                | 6                        | 34                        | TO-247               |
| STW9N150      | 1500                 | 2.5                                                     | -                | 8                        | 89.3                      | TO-247               |
| STP4N150      | 1500                 | 7                                                       | -                | 3.1                      | 35                        | TO-220               |
| STFW4N150     | 1500                 | 7                                                       | -                | 4                        | 30                        | TO-3PF               |
| STW4N150      | 1500                 | 7                                                       | -                | 4                        | 30                        | TO-247               |
| STP3N150      | 1500                 | 9                                                       | -                | 2.5                      | 29.3                      | TO-220               |
| STFW3N150     | 1500                 | 9                                                       | -                | 2.5                      | 29.3                      | TO-3PF               |
| STH3N150-2    | 1500                 | 9                                                       | -                | 2.5                      | 29.3                      | H <sup>2</sup> PAK-2 |
| STW3N150      | 1500                 | 9                                                       | -                | 2.5                      | 29.3                      | TO-247               |
| STFW3N170     | 1700                 | 13                                                      | -                | 2.6                      | 44                        | TO-3PF               |
| STW3N170      | 1700                 | 13                                                      | -                | 2.6                      | 44                        | TO-247               |

## P-channel

| Part Number                  | V <sub>DS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ 1.8 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ 2.5 V (Ω) | R <sub>DS(on)</sub> (max)<br>(@ 4.5 V or 5 V) (Ω) | R <sub>DS(on)</sub> (max)<br>(@ V <sub>GS</sub> = 10 V) (Ω) | Automotive<br>Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|------------------------------|---------------------|------------------------------------------|------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------|---------------------------|-----------------------------|
| STD3PK50Z                    | -500                | -                                        | -                                        | -                                                 | 4                                                           | -                   | -2.8                     | 20                        | DPAK                        |
| STD10P10F6                   | -100                | -                                        | -                                        | -                                                 | 0.18                                                        | -                   | -10                      | 17                        | DPAK                        |
| STL13DP10F6                  | -100                | -                                        | -                                        | -                                                 | 0.18                                                        | -                   | -3.3                     | 17                        | PowerFLAT 5x6 double island |
| STD40P8F6AG <sup>(*)</sup>   | -80                 | -                                        | -                                        | -                                                 | 0.028                                                       | -                   | -                        | -                         | DPAK                        |
| STL42P6LLF6                  | -60                 | -                                        | -                                        | 0.034                                             | 0.026                                                       | -                   | -42                      | 30                        | PowerFLAT 5x6               |
| STD35P6LLF6                  | -60                 | -                                        | -                                        | 0.036                                             | 0.028                                                       | -                   | -35                      | 30                        | DPAK                        |
| STF21P6LLF6                  | -60                 | -                                        | -                                        | 0.036                                             | 0.028                                                       | -                   | -21                      | 30                        | TO-220FP                    |
| STD10P6F6                    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -10                      | 6.4                       | DPAK                        |
| STD15P6F6AG                  | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | Yes                 | -10                      | 6.4                       | DPAK                        |
| STF10P6F6                    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -10                      | 6.4                       | TO-220FP                    |
| STL12P6F6                    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -3                       | 6.4                       | PowerFLAT 5x6               |
| STN3P6F6                     | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -3                       | 6.4                       | SOT-223                     |
| STN4P6F6AG <sup>(*)</sup>    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | Yes                 | -3                       | 6.4                       | SOT-223                     |
| STP10P6F6                    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -10                      | 6.4                       | TO-220                      |
| STS3P6F6                     | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -3                       | 6.4                       | SO-8                        |
| STU10P6F6                    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -10                      | 6.4                       | IPAK                        |
| STU10P6F6                    | -60                 | -                                        | -                                        | -                                                 | 0.16                                                        | -                   | -19                      | 6.4                       | IPAK                        |
| STP80PF55                    | -55                 | -                                        | -                                        | -                                                 | 0.018                                                       | -                   | -80                      | 190                       | TO-220                      |
| STL60P4LLF6                  | -40                 | -                                        | -                                        | 0.0019                                            | 0.014                                                       | -                   | -60                      | 34                        | PowerFLAT 5x6               |
| STL65P4LLF6AG <sup>(*)</sup> | -40                 | -                                        | -                                        | 0.0019                                            | 0.014                                                       | -                   | -60                      | 34                        | PowerFLAT 5x6               |
| STD46P4LLF6                  | -40                 | -                                        | -                                        | 0.02                                              | 0.015                                                       | -                   | -50                      | 34                        | DPAK                        |
| STD45P4LLF6AG                | -40                 | -                                        | -                                        | 0.02                                              | 0.015                                                       | Yes                 | -50                      | 65.5                      | DPAK                        |
| STS10P4LLF6                  | -40                 | -                                        | -                                        | 0.02                                              | 0.015                                                       | -                   | -10                      | 34                        | SO-8                        |
| STL42P4LLF6                  | -40                 | -                                        | -                                        | 0.026                                             | 0.018                                                       | -                   | -42                      | 22                        | PowerFLAT 5x6               |
| STL8P4LLF6                   | -40                 | -                                        | -                                        | 0.029                                             | 0.0205                                                      | -                   | -8                       | 22                        | PowerFLAT 3.3x3.3           |
| STS7P4LLF6                   | -40                 | -                                        | -                                        | 0.029                                             | 0.0205                                                      | -                   | -7                       | 22                        | SO-8                        |
| STD36P4LLF6                  | -40                 | -                                        | -                                        | 0.029                                             | 0.022                                                       | -                   | -36                      | 22                        | DPAK                        |

Note: \* coming soon

## P-CHANNEL (CONT'D)

| Part Number                  | V <sub>DS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ 1.8 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ 2.5 V (Ω) | R <sub>DS(on)</sub> (max)<br>(@ 4.5 V or 5 V) (Ω) | R <sub>DS(on)</sub> (max)<br>(@ V <sub>GS</sub> = 10 V) (Ω) | Automotive<br>Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package           |
|------------------------------|---------------------|------------------------------------------|------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------|---------------------------|-------------------|
| STL150P3LLH6 <sup>(*)</sup>  | -30                 | -                                        | -                                        | 0.0052                                            | 0.0035                                                      | -                   | -                        | 93                        | PowerFLAT 5x6     |
| STD95P3LLH6AG <sup>(*)</sup> | -30                 | -                                        | -                                        | 0.0097                                            | 0.0068                                                      | -                   | -                        | -                         | DPAK              |
| STS10P3LLH6                  | -30                 | -                                        | -                                        | 0.017                                             | 0.012                                                       | -                   | -12.5                    | 33                        | SO-8              |
| STD37P3H6AG                  | -30                 | -                                        | -                                        | -                                                 | 0.015                                                       | Yes                 | -49                      | 30.6                      | DPAK              |
| STL62P3LLH6                  | -30                 | -                                        | -                                        | 0.0105                                            | 0.016                                                       | -                   | -62                      | 25                        | PowerFLAT 5x6     |
| STL65P3LLH6AG <sup>(*)</sup> | -30                 | -                                        | -                                        | 0.0105                                            | 0.016                                                       | Yes                 | -62                      | 33                        | PowerFLAT 5x6     |
| STD52P3LLH6                  | -30                 | -                                        | -                                        | 0.012                                             | 0.017                                                       | -                   | -52                      | 33                        | DPAK              |
| STP52P3LLH6                  | -30                 | -                                        | -                                        | 0.012                                             | 0.017                                                       | -                   | -52                      | 33                        | TO-220            |
| STD40P3LLH6                  | -30                 | -                                        | -                                        | 0.03                                              | 0.018                                                       | -                   | -40                      | 26                        | DPAK              |
| STL45P3LLH6                  | -30                 | -                                        | -                                        | 0.03                                              | 0.018                                                       | -                   | -45                      | 26                        | PowerFLAT 5x6     |
| STL9P3LLH6                   | -30                 | -                                        | -                                        | 0.03                                              | 0.018                                                       | -                   | -9                       | 26                        | PowerFLAT 3.3x3.3 |
| STS9P3LLH6                   | -30                 | -                                        | -                                        | 0.03                                              | 0.018                                                       | -                   | -9                       | 26                        | SO-8              |
| STD26P3LLH6                  | -30                 | -                                        | -                                        | 0.045                                             | 0.03                                                        | -                   | -24                      | 12                        | DPAK              |
| STD28P3LLH6AG                | -30                 | -                                        | -                                        | 0.05                                              | 0.03                                                        | Yes                 | -12                      | 29                        | DPAK              |
| STL30P3LLH6                  | -30                 | -                                        | -                                        | 0.05                                              | 0.03                                                        | -                   | -30                      | 26                        | PowerFLAT 5x6     |
| STL6P3LLH6                   | -30                 | -                                        | -                                        | 0.05                                              | 0.03                                                        | -                   | -6                       | 12                        | PowerFLAT 3.3x3.3 |
| STS6P3LLH6                   | -30                 | -                                        | -                                        | 0.05                                              | 0.03                                                        | -                   | -6                       | 12                        | SO-8              |
| STD20P3H6AG                  | -30                 | -                                        | -                                        | -                                                 | 0.05                                                        | Yes                 | -20                      | 12.8                      | DPAK              |
| STS5PF30L                    | -30                 | -                                        | -                                        | 0.075                                             | 0.055                                                       | -                   | -5                       | 12.5                      | SO-8              |
| STL4P3LLH6                   | -30                 | -                                        | -                                        | 0.09                                              | 0.056                                                       | -                   | -4                       | 6                         | PowerFLAT 2x2     |
| STR2P3LLH6                   | -30                 | -                                        | -                                        | 0.09                                              | 0.056                                                       | -                   | -2                       | 6                         | SOT-23            |
| STS5P3LLH6                   | -30                 | -                                        | -                                        | 0.09                                              | 0.056                                                       | -                   | -5                       | 6                         | SO-8              |
| STT4P3LLH6                   | -30                 | -                                        | -                                        | 0.09                                              | 0.056                                                       | -                   | -4                       | 6                         | SOT23-6L          |
| STS5DP3LLH6                  | -30                 | -                                        | -                                        | 0.09                                              | 0.06                                                        | -                   | 0                        | 0                         | SO-8              |
| STD20P3H6AG                  | -30                 | -                                        | -                                        | -                                                 | 0.05                                                        | -                   | -20                      | 12.8                      | DPAK              |
| STL8P2UH7                    | -20                 | 0.043                                    | 0.025                                    | 0.0225                                            | -                                                           | -                   | -8                       | 22                        | PowerFLAT 2x2     |
| STL9P2UH7                    | -20                 | 0.043                                    | 0.025                                    | 0.0225                                            | -                                                           | -                   | -9                       | 22                        | PowerFLAT 3.3x3.3 |
| STS9P2UH7                    | -20                 | 0.043                                    | 0.025                                    | 0.0225                                            | -                                                           | -                   | -9                       | 22                        | SO-8              |

Note: \* coming soon

## P-CHANNEL (CONT'D)

| Part Number        | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ 1.8 V (Ω) | R <sub>DS(on)</sub> (max)<br>@ 2.5 V (Ω) | R <sub>DS(on)</sub> (max)<br>(@ 4.5 V or 5 V) (Ω) | R <sub>DS(on)</sub> (max)<br>(@ V <sub>GS</sub> = 10 V) (Ω) | Automotive<br>Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | Package                     |
|--------------------|----------------------|------------------------------------------|------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|---------------------|--------------------------|---------------------------|-----------------------------|
| STT7P2UH7          | -20                  | 0.043                                    | 0.025                                    | 0.0225                                            | -                                                           | -                   | -7                       | 22                        | SOT23-6L                    |
| STL4P2UH7          | -20                  | 0.18                                     | 0.13                                     | 0.1                                               | -                                                           | -                   | -4                       | 4.8                       | PowerFLAT 2x2               |
| STR1P2UH7          | -20                  | 0.18                                     | 0.13                                     | 0.1                                               | -                                                           | -                   | -1.4                     | 4.8                       | SOT23                       |
| STT3P2UH7          | -20                  | 0.18                                     | 0.13                                     | 0.1                                               | -                                                           | -                   | -3                       | 4.8                       | SOT23-6L                    |
| Complementary pair |                      |                                          |                                          |                                                   |                                                             |                     |                          |                           |                             |
| STL40C30H3LL       | -30                  | -                                        | -                                        | 0.05                                              | 0.03                                                        |                     | -30                      | 12                        | PowerFLAT 5x6 double island |
| STL40C30H3LL       | 30                   | -                                        | -                                        | 0.028                                             | 0.021                                                       | -                   | 40                       | 4.6                       | PowerFLAT 5x6 double island |
| STS8C5H30L         | -30                  | -                                        | -                                        | 0.75                                              | 0.55                                                        | -                   | -5                       | 16                        | S0-8                        |
| STS8C5H30L         | 30                   | -                                        | -                                        | 0.25                                              | 0.22                                                        | -                   | 8                        | 10                        | S0-8                        |

## N-channel fast recovery diode

| Part Number                   | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ 10 V (Ω) | Automotive<br>Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | t <sub>rr</sub> (typ) (ns) | Q <sub>rr</sub> (typ) (nC) | I <sub>rm</sub> (typ) (A) | Package            |
|-------------------------------|----------------------|-----------------------------------------|---------------------|--------------------------|---------------------------|----------------------------|----------------------------|---------------------------|--------------------|
| STW70N60DM2                   | 600                  | 0.042                                   | -                   | 68                       | 121                       | 150                        | 750                        | 9.6                       | TO-247             |
| STW72N60DM2AG                 | 600                  | 0.042                                   | Yes                 | 68                       | 121                       | 150                        | 750                        | 9.6                       | TO-247             |
| STWA72N60DM2AG <sup>(*)</sup> | 600                  | 0.042                                   | Yes                 | 68                       | 121                       | 150                        | 720                        | 9.6                       | TO-247 long leads  |
| STWA70N60DM2                  | 600                  | 0.042                                   | -                   | 68                       | 121                       | 150                        | 720                        | 9.6                       | TO-247 long leads  |
| STW56N60DM2                   | 600                  | 0.060                                   | -                   | 50                       | 110                       | 140                        | 756                        | 10.8                      | TO-247             |
| STW58N60DM2AG                 | 600                  | 0.060                                   | Yes                 | 50                       | 110                       | 140                        | 756                        | 10.8                      | TO-247             |
| STWA58N60DM2AG                | 600                  | 0.060                                   | Yes                 | 50                       | 90                        | 140                        | 756                        | 10.8                      | TO-247 long leads  |
| STW58N60DM2AG                 | 600                  | 0.060                                   | Yes                 | 50                       | 90                        | 140                        | 756                        | 10.8                      | TO-247             |
| STW48N60DM2                   | 600                  | 0.079                                   | -                   | 40                       | 90                        | 130                        | 650                        | 10                        | TO-247             |
| STW47NM60ND                   | 600                  | 0.088                                   | Yes                 | 35                       | 120                       | 190                        | 1600                       | 17                        | TO-247             |
| STB43N60DM2                   | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | D <sup>2</sup> PAK |
| STB45N60DM2AG                 | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | D <sup>2</sup> PAK |
| STF43N60DM2                   | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-220FP           |
| STP43N60DM2                   | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-220             |
| STP45N60DM2AG                 | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-220             |
| STW43N60DM2                   | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-247             |
| STW45N60DM2AG                 | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-247             |
| STW45N60DM2AG                 | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-247             |
| STWA45N60DM2AG <sup>(*)</sup> | 600                  | 0.093                                   | -                   | 34                       | 56                        | 120                        | 624                        | 10.4                      | TO-247 long leads  |
| STB35N60DM2                   | 600                  | 0.110                                   | -                   | 28                       | 54                        | 120                        | 612                        | 10.2                      | D <sup>2</sup> PAK |
| STB37N60DM2AG                 | 600                  | 0.110                                   | Yes                 | 28                       | 54                        | 120                        | 612                        | 10.2                      | D <sup>2</sup> PAK |
| STF35N60DM2                   | 600                  | 0.110                                   | -                   | 28                       | 54                        | 120                        | 612                        | 10.2                      | TO-220FP           |
| STP35N60DM2                   | 600                  | 0.110                                   | -                   | 28                       | 54                        | 120                        | 612                        | 10.2                      | TO-220             |
| STW35N60DM2                   | 600                  | 0.110                                   | -                   | 28                       | 54                        | 120                        | 612                        | 10.2                      | TO-247             |
| STW37N60DM2AG                 | 600                  | 0.110                                   | Yes                 | 28                       | 54                        | 120                        | 612                        | 10.2                      | TO-247             |
| STWA37N60DM2AG <sup>(*)</sup> | 600                  | 0.110                                   | Yes                 | 28                       | 54                        | 120                        | 612                        | 10.2                      | TO-247 long leads  |
| STB36NM60ND                   | 600                  | 0.110                                   | Yes                 | 29                       | 80.4                      | 175                        | 1400                       | 16                        | D <sup>2</sup> PAK |

Note: \* coming soon

## N-CHANNEL FAST RECOVERY DIODE (CONT'D)

| Part Number                | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ 10 V (Ω) | Automotive<br>Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | t <sub>rr</sub> (typ) (ns) | Q <sub>rr</sub> (typ) (nC) | I <sub>rm</sub> (typ) (A) | Package            |
|----------------------------|----------------------|-----------------------------------------|---------------------|--------------------------|---------------------------|----------------------------|----------------------------|---------------------------|--------------------|
| STL45N60DM6 <sup>(*)</sup> | 600                  | 0.100                                   | -                   | 26                       | 50                        | -                          | -                          | -                         | PowerFLAT 8x8 HV   |
| STW36NM60ND                | 600                  | 0.110                                   | Yes                 | 29                       | 80.4                      | 175                        | 1400                       | 16                        | TO-247             |
| STB33N60DM2                | 600                  | 0.130                                   | -                   | 24                       | 43                        | 120                        | 530                        | 8.8                       | D <sup>2</sup> PAK |
| STF33N60DM2                | 600                  | 0.130                                   | -                   | 24                       | 43                        | 120                        | 530                        | 8.8                       | D <sup>2</sup> PAK |
| STP33N60DM2                | 600                  | 0.130                                   | -                   | 24                       | 43                        | 120                        | 530                        | 8.8                       | TO-220FP           |
| STW33N60DM2                | 600                  | 0.130                                   | -                   | 24                       | 43                        | 120                        | 530                        | 8.8                       | TO-220             |
| STL33N60DM2                | 600                  | 0.140                                   | -                   | 21                       | 43                        | 120                        | 530                        | 8.8                       | PowerFLAT 8x8 HV   |
| STB27NM60ND                | 600                  | 0.160                                   | Yes                 | 21                       | 80                        | 160                        | 1000                       | 15                        | D <sup>2</sup> PAK |
| STW27NM60ND                | 600                  | 0.160                                   | Yes                 | 21                       | 80                        | 160                        | 1000                       | 15                        | TO-247             |
| STB28N60DM2                | 600                  | 0.160                                   | -                   | 22                       | 34                        | 110                        | 407                        | 7.4                       | D <sup>2</sup> PAK |
| STF28N60DM2                | 600                  | 0.160                                   | -                   | 22                       | 34                        | 110                        | 407                        | 7.4                       | TO-220FP           |
| STP28N60DM2                | 600                  | 0.160                                   | -                   | 22                       | 34                        | 110                        | 407                        | 7.4                       | TO-220             |
| STW28N60DM2                | 600                  | 0.160                                   | -                   | 22                       | 34                        | 110                        | 407                        | 7.4                       | TO-247             |
| STL28N60DM2                | 600                  | 0.175                                   | -                   | 21                       | 34                        | 110                        | 407                        | 7.4                       | PowerFLAT 8x8 HV   |
| STB24N60DM2                | 600                  | 0.200                                   | -                   | 18                       | 29                        | 155                        | 956                        | 12.5                      | D <sup>2</sup> PAK |
| STF24N60DM2                | 600                  | 0.200                                   | -                   | 18                       | 29                        | 155                        | 956                        | 12.5                      | TO-220FP           |
| STP24N60DM2                | 600                  | 0.200                                   | -                   | 18                       | 29                        | 155                        | 956                        | 12.5                      | TO-220             |
| STW24N60DM2                | 600                  | 0.200                                   | -                   | 18                       | 29                        | 155                        | 956                        | 12.5                      | TO-247             |
| STL24N60DM2                | 600                  | 0.220                                   | -                   | 18                       | 29                        | 155                        | 956                        | 12.5                      | PowerFLAT 8x8 HV   |
| STB18N60DM2                | 600                  | 0.295                                   | -                   | 12                       | 20                        | 125                        | 675                        | 11                        | D <sup>2</sup> PAK |
| STF18N60DM2                | 600                  | 0.295                                   | -                   | 12                       | 20                        | 125                        | 675                        | 11                        | TO-220FP           |
| STP18N60DM2                | 600                  | 0.295                                   | -                   | 12                       | 20                        | 125                        | 675                        | 11                        | TO-220             |
| STW18N60DM2                | 600                  | 0.295                                   | -                   | 12                       | 20                        | 125                        | 675                        | 11                        | TO-247             |
| STL19N60DM2                | 600                  | 0.320                                   | -                   | 11                       | 20                        | 125                        | 675                        | 11                        | PowerFLAT 8x8 HV   |
| STD13N60DM2 <sup>(*)</sup> | 600                  | 0.365                                   | -                   | 12                       | 20                        | 90                         | 252                        | 5.6                       | DPAK               |
| STF13N60DM2 <sup>(*)</sup> | 600                  | 0.365                                   | -                   | 12                       | 20                        | 90                         | 252                        | 5.6                       | TO-220FP           |
| STL13N60DM2 <sup>(*)</sup> | 600                  | 0.380                                   | -                   | 12                       | 20                        | 90                         | 252                        | 5.6                       | PowerFLAT 5x6 HV   |
| STD13NM60ND                | 600                  | 0.380                                   | -                   | 11                       | 24.5                      | 150                        | 755                        | 12                        | DPAK               |

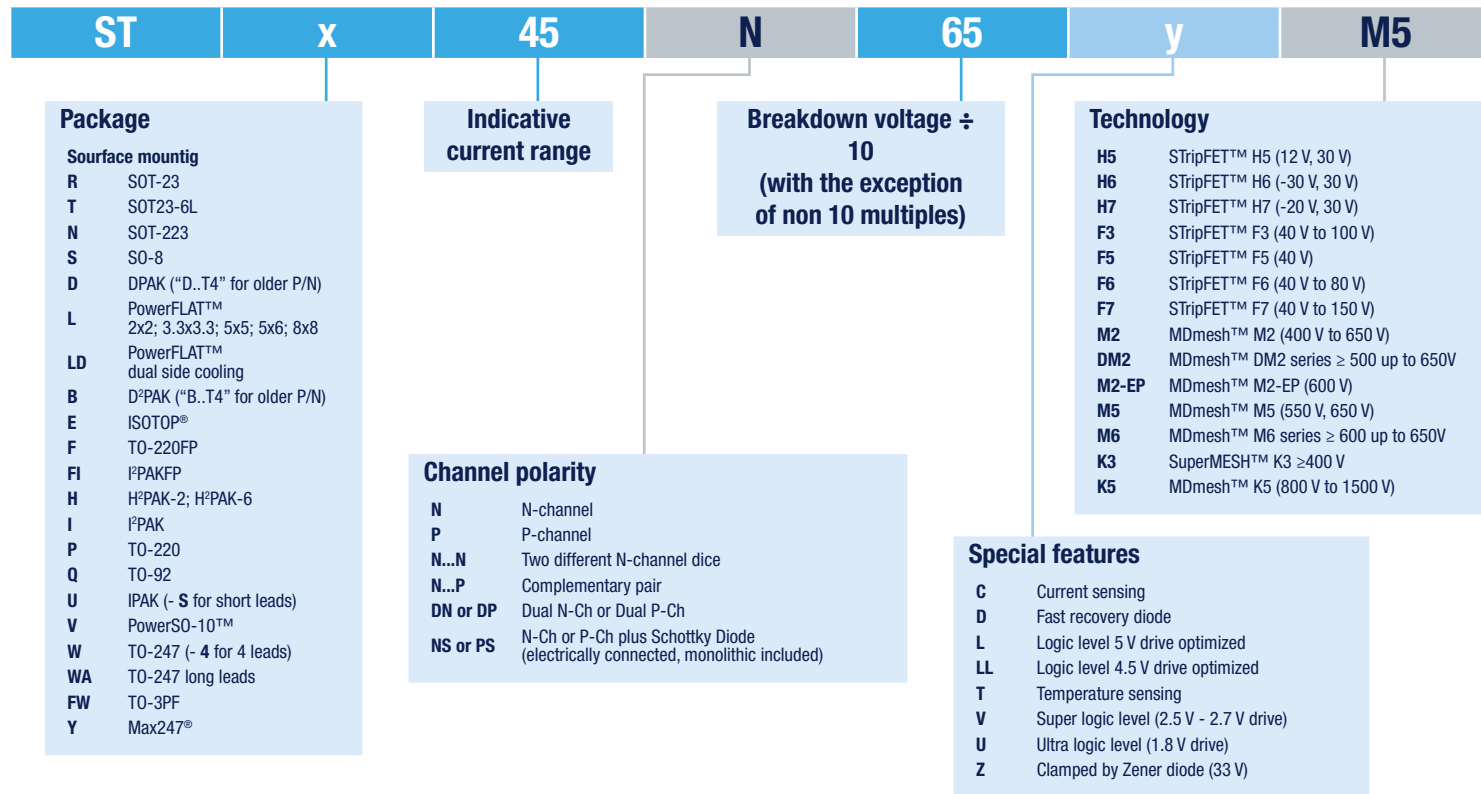
Note: \* coming soon

## N-CHANNEL FAST RECOVERY DIODE (CONT'D)

| Part Number    | V <sub>DSS</sub> (V) | R <sub>DS(on)</sub> (max)<br>@ 10 V (Ω) | Automotive<br>Grade | I <sub>D(Cont)</sub> (A) | Q <sub>g</sub> (typ) (nC) | t <sub>rr</sub> (typ) (ns) | Q <sub>rr</sub> (typ) (nC) | I <sub>rm</sub> (typ) (A) | Package  |
|----------------|----------------------|-----------------------------------------|---------------------|--------------------------|---------------------------|----------------------------|----------------------------|---------------------------|----------|
| STF13NM60ND    | 600                  | 0.380                                   | -                   | 11                       | 24.5                      | 150                        | 755                        | 12                        | TO-220FP |
| STD11N60DM2(*) | 600                  | 0.420                                   | -                   | 11                       | 16                        | 90                         | -                          | -                         | DPAK     |
| STF11N60DM2(*) | 600                  | 0.420                                   | -                   | 11                       | 16                        | 90                         | -                          | -                         | TO-220FP |
| STP11N60DM2(*) | 600                  | 0.420                                   | -                   | 11                       | 16                        | 90                         | -                          | -                         | TO-220   |
| STD10N60DM2(*) | 600                  | 0.530                                   | -                   | 8.5                      | 13                        | 90                         | -                          | -                         | DPAK     |
| STF10N60DM2(*) | 600                  | 0.530                                   | -                   | 8.5                      | 13                        | 90                         | -                          | -                         | TO-220FP |
| STF10NM60ND    | 600                  | 0.600                                   | -                   | 8                        | 20                        | 118                        | 680                        | 11                        | TO-220FP |
| STP10NM60ND    | 600                  | 0.600                                   | -                   | 8                        | 20                        | 118                        | 680                        | 11                        | TO-220   |
| STF8N60DM2(*)  | 600                  | 0.600                                   | -                   | 8                        | 13.5                      | 80                         | 188                        | 4.7                       | TO-220FP |
| STD8N60DM2(*)  | 600                  | 0.600                                   | -                   | 8                        | 13.5                      | 80                         | 188                        | 4.7                       | DPAK     |
| STD10NM60ND    | 600                  | 0.600                                   | -                   | 8                        | 20                        | 118                        | 680                        | 11                        | DPAK     |
| STF10NM60ND    | 600                  | 0.600                                   | -                   | 8                        | 20                        | 118                        | 680                        | 11                        | TO-220FP |
| STD5N60DM2(*)  | 600                  | 1.550                                   | -                   | 3.5                      | 8.6                       | 70                         | 133                        | 3.8                       | DPAK     |

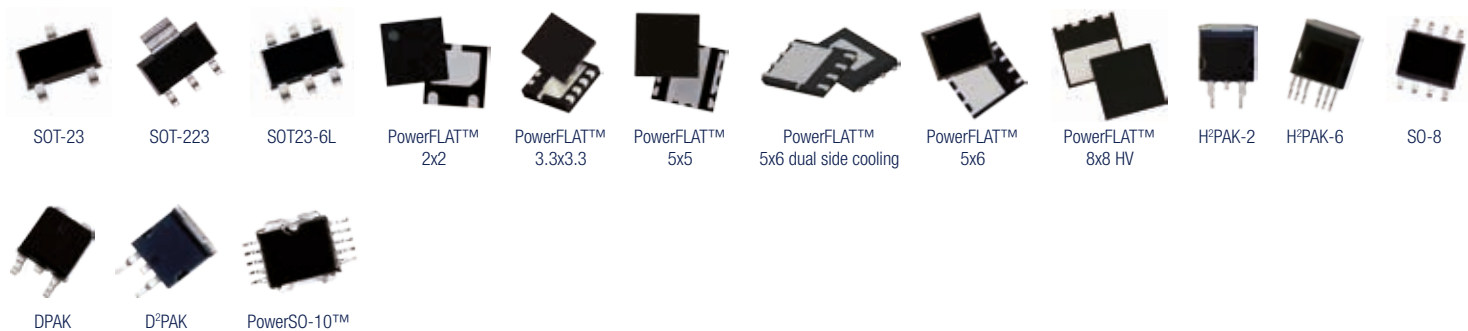
Note: \* coming soon

# Power MOSFETs: Nomenclature

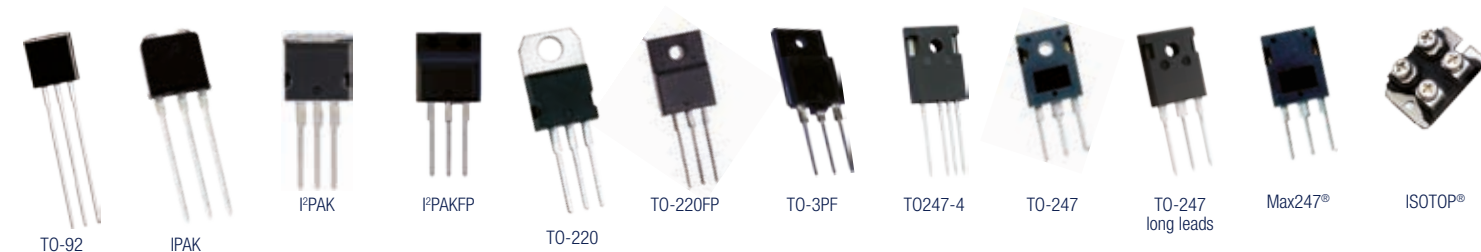


# Packages

## SURFACE MOUNTING PACKAGES



## THROUGH HOLE PACKAGES



Package images are not to scale

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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