

# Type TDC Solid Tantalum Capacitors

## Dipped, Radial Leaded, Solid Tantalum Capacitors



As a low cost alternative to molded solid tantalum capacitors, the Type TDC, constructed in a tough, radial dipped flame retardant plastic case, assures the user that it is a top performer with such attributes as low DCL, low ESR, low impedance and a great value with low in-place cost. The Type TDC is high shock and vibration resistant and is available in bulk or on radial tape and reel.

### Highlights

- ◆ Tough plastic case
- ◆ Low DCL
- ◆ Low ESR and impedance
- ◆ Low cost
- ◆ Temperature stable
- ◆ UL94VO flammability rating
- ◆ Resistant to shock and vibration

### Specifications

**Capacitance Range:** 0.10  $\mu$ F to 330  $\mu$ F  
**Voltage Range:** 6 WVdc to 50 WVdc at 85 °C  
**Tolerance:**  $\pm$ 10%,  $\pm$ 20%  
**Operating Temperature Range:** -55 °C to +125 °C (with proper derating)

**DC Leakage:** +25 °C - See ratings limit  
+85 °C - 10 x ratings limit  
+125 °C - 12.5 x ratings limit

**Capacitance Change Maximum:** -10% @ -55 °C  
+10% @ +85 °C  
+12% @ +125 °C

**Reverse Voltage (Non-continuous):** 15% of rated voltage @ 25 °C  
5% of rated voltage @ 85 °C  
1% of rated voltage @ 125 °C

#### Reel Packaging:

| Case Code | Quantity per Reel |
|-----------|-------------------|
| E         | 1,000             |
| F         | 1,000             |
| G         | 1,000             |



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

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## Capacitor Outline Drawing



| Dimensions - Inches (Millimeters) |             |              |                        |      |
|-----------------------------------|-------------|--------------|------------------------|------|
| Case Code                         | D (Max.)    | H (Max.)     | Leads                  |      |
|                                   |             |              | S                      | Code |
| E                                 | .175 (4.45) | .350 (8.89)  | .125 (3.17) (Standard) | N    |
|                                   |             |              | .250 (6.35) (Special)  | W    |
| F                                 | .250 (6.35) | .500 (12.7)  | .125 (3.17) (Standard) | N    |
|                                   |             |              | .250 (6.35) (Special)  | W    |
| G                                 | .350 (8.89) | .650 (16.51) | .250 (6.35) (Special)  | W    |

**E and F Case Codes:**  
Lead Spacing =  $.125 \pm .025$   
(3.17 ± .64)

**G Case Code:**  
Lead Spacing =  $.250 \pm .025$   
(6.34 ± .64)

## Ratings

| Cap (µF)                                                            | Catalog Part Number | Case Code | Lead Spacing (S) | Max. DCL @ +25 °C (µA) | Max. DF @ +25 °C 120 Hz (%) | Cap (µF)                                                              | Catalog Part Number | Case Code | Lead Spacing (S) | Max. DCL @ +25 °C (µA) | Max. DF @ +25 °C 120 Hz (%) |
|---------------------------------------------------------------------|---------------------|-----------|------------------|------------------------|-----------------------------|-----------------------------------------------------------------------|---------------------|-----------|------------------|------------------------|-----------------------------|
| <b>6 WVdc; 8 Vdc Surge @ 85 °C<br/>4 WVdc; 5 Vdc Surge @ 125 °C</b> |                     |           |                  |                        |                             | <b>10 WVdc; 13 Vdc Surge @ 85 °C<br/>7 WVdc; 9 Vdc Surge @ 125 °C</b> |                     |           |                  |                        |                             |
| 3.3                                                                 | TDC335*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 2.2                                                                   | TDC225*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 3.9                                                                 | TDC395*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 2.7                                                                   | TDC275*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 4.7                                                                 | TDC475*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 3.3                                                                   | TDC335*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 5.6                                                                 | TDC565*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 3.9                                                                   | TDC395*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 6.8                                                                 | TDC685*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 4.7                                                                   | TDC475*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 8.2                                                                 | TDC825*006NSE-F     | E         | 0.125            | 0.5                    | 6                           | 5.6                                                                   | TDC565*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 10                                                                  | TDC106*006NSE-F     | E         | 0.125            | 0.5                    | 6                           | 6.8                                                                   | TDC685*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 12                                                                  | TDC126*006NSE-F     | E         | 0.125            | 0.6                    | 6                           | 8.2                                                                   | TDC825*010NSE-F     | E         | 0.125            | 0.7                    | 6                           |
| 15                                                                  | TDC156*006NSF-F     | F         | 0.125            | 0.7                    | 6                           | 10                                                                    | TDC106*010NSF-F     | F         | 0.125            | 0.8                    | 6                           |
| 18                                                                  | TDC186*006NSF-F     | F         | 0.125            | 0.9                    | 6                           | 12                                                                    | TDC126*010NSF-F     | F         | 0.125            | 1.0                    | 6                           |
| 22                                                                  | TDC226*006NSF-F     | F         | 0.125            | 1.1                    | 6                           | 15                                                                    | TDC156*010NSF-F     | F         | 0.125            | 1.2                    | 6                           |
| 27                                                                  | TDC276*006NSF-F     | F         | 0.125            | 1.3                    | 6                           | 18                                                                    | TDC186*010NSF-F     | F         | 0.125            | 1.4                    | 6                           |
| 33                                                                  | TDC336*006NSF-F     | F         | 0.125            | 1.6                    | 6                           | 22                                                                    | TDC226*010NSF-F     | F         | 0.125            | 1.8                    | 6                           |
| 39                                                                  | TDC396*006NSF-F     | F         | 0.125            | 1.9                    | 6                           | 27                                                                    | TDC276*010NSF-F     | F         | 0.125            | 2.2                    | 6                           |
| 47                                                                  | TDC476*006NSF-F     | F         | 0.125            | 2.3                    | 6                           | 33                                                                    | TDC336*010NSF-F     | F         | 0.125            | 2.6                    | 6                           |
| 56                                                                  | TDC566*006NSF-F     | F         | 0.125            | 2.7                    | 6                           | 39                                                                    | TDC396*010NSF-F     | F         | 0.125            | 3.1                    | 6                           |
| 68                                                                  | TDC686*006NSF-F     | F         | 0.125            | 3.3                    | 6                           | 47                                                                    | TDC476*010NSF-F     | F         | 0.125            | 3.8                    | 6                           |
| 82                                                                  | TDC826*006NSF-F     | F         | 0.125            | 3.9                    | 8                           | 56                                                                    | TDC566*010NSF-F     | F         | 0.125            | 4.5                    | 6                           |
| 100                                                                 | TDC107*006NSF-F     | F         | 0.125            | 4.8                    | 8                           | 68                                                                    | TDC686*010NSF-F     | F         | 0.125            | 5.4                    | 6                           |
| 120                                                                 | TDC127*006WSG-F     | G         | 0.25             | 5.8                    | 8                           | 82                                                                    | TDC826*010WSG-F     | G         | 0.25             | 6.6                    | 8                           |
| 150                                                                 | TDC157*006WSG-F     | G         | 0.25             | 7.2                    | 8                           | 100                                                                   | TDC107*010WSG-F     | G         | 0.25             | 8.0                    | 8                           |
| 180                                                                 | TDC187*006WSG-F     | G         | 0.25             | 8.6                    | 8                           | 120                                                                   | TDC127*010WSG-F     | G         | 0.25             | 9.6                    | 8                           |
| 220                                                                 | TDC227*006WSG-F     | G         | 0.25             | 10                     | 8                           | 150                                                                   | TDC157*010WSG-F     | G         | 0.25             | 10.0                   | 8                           |
| 270                                                                 | TDC277*006WSG-F     | G         | 0.25             | 10                     | 8                           | 180                                                                   | TDC187*010WSG-F     | G         | 0.25             | 10.0                   | 8                           |
| 330                                                                 | TDC337*006WSG-F     | G         | 0.25             | 10                     | 8                           | 220                                                                   | TDC227*010WSG-F     | G         | 0.25             | 10.0                   | 8                           |

\* Indicates capacitance tolerance: K = ±10%, M = ±20%, (J = ±5%, Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

# Type TDC Solid Tantalum Capacitors

## Ratings

| Cap<br>( $\mu$ F)                     | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) | Cap<br>( $\mu$ F)                     | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) |
|---------------------------------------|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|---------------------------------------|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|
| <b>16 WVdc; 20 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      | <b>20 WVdc; 26 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      |
| <b>10 WVdc; 12 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      | <b>13 WVdc; 16 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      |
| 1.5                                   | TDC155*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 8.2                                   | TDC825*020NSF-F        | F            | 0.125                  | 1.3                                   | 6                                    |
| 1.8                                   | TDC185*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 10                                    | TDC106*020NSF-F        | F            | 0.125                  | 1.6                                   | 6                                    |
| 2.2                                   | TDC225*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 12                                    | TDC126*020NSF-F        | F            | 0.125                  | 1.9                                   | 6                                    |
| 2.7                                   | TDC275*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 15                                    | TDC156*020NSF-F        | F            | 0.125                  | 2.4                                   | 6                                    |
| 3.3                                   | TDC335*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 18                                    | TDC186*020NSF-F        | F            | 0.125                  | 2.9                                   | 6                                    |
| 3.9                                   | TDC395*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 22                                    | TDC226*020NSF-F        | F            | 0.125                  | 3.5                                   | 6                                    |
| 4.7                                   | TDC475*016NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    | 33                                    | TDC336*020WSG-F        | G            | 0.25                   | 5.3                                   | 6                                    |
| 5.6                                   | TDC565*016NSE-F        | E            | 0.125                  | 0.7                                   | 5                                    | 39                                    | TDC396*020WSG-F        | G            | 0.25                   | 6.2                                   | 6                                    |
| 6.8                                   | TDC685*016NSE-F        | E            | 0.125                  | 0.9                                   | 5                                    | 47                                    | TDC476*020WSG-F        | G            | 0.25                   | 7.5                                   | 6                                    |
| 8.2                                   | TDC825*016NSE-F        | E            | 0.125                  | 1.0                                   | 6                                    | 56                                    | TDC566*020WSG-F        | G            | 0.25                   | 9.0                                   | 6                                    |
| 10                                    | TDC106*016NSF-F        | F            | 0.125                  | 1.3                                   | 6                                    | 68                                    | TDC686*020WSG-F        | G            | 0.25                   | 10.0                                  | 6                                    |
| 12                                    | TDC126*016NSF-F        | F            | 0.125                  | 1.5                                   | 6                                    | 82                                    | TDC826*020WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    |
| 15                                    | TDC156*016NSF-F        | F            | 0.125                  | 1.8                                   | 6                                    | 100                                   | TDC107*020WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    |
| 18                                    | TDC186*016NSF-F        | F            | 0.125                  | 2.2                                   | 6                                    | <b>25 WVdc; 32 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      |
| 22                                    | TDC226*016NSF-F        | F            | 0.125                  | 2.6                                   | 6                                    | <b>17 WVdc; 22 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      |
| 27                                    | TDC276*016NSF-F        | F            | 0.125                  | 3.2                                   | 6                                    | 1.0                                   | TDC105*025NSE-F        | E            | 0.125                  | 0.50                                  | 3                                    |
| 33                                    | TDC336*016NSF-F        | F            | 0.125                  | 4.0                                   | 6                                    | 1.2                                   | TDC125*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 39                                    | TDC396*016WSG-F        | G            | 0.25                   | 4.7                                   | 6                                    | 1.5                                   | TDC155*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 47                                    | TDC476*016WSG-F        | G            | 0.25                   | 5.6                                   | 6                                    | 1.8                                   | TDC185*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 56                                    | TDC566*016WSG-F        | G            | 0.25                   | 6.8                                   | 6                                    | 2.2                                   | TDC225*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 68                                    | TDC686*016WSG-F        | G            | 0.25                   | 8.2                                   | 6                                    | 2.7                                   | TDC275*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 82                                    | TDC826*016WSG-F        | G            | 0.25                   | 9.8                                   | 8                                    | 3.3                                   | TDC335*025NSE-F        | E            | 0.125                  | 0.70                                  | 5                                    |
| 100                                   | TDC107*016WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    | 3.9                                   | TDC395*025NSE-F        | E            | 0.125                  | 0.80                                  | 5                                    |
| 120                                   | TDC127*016WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    | 4.7                                   | TDC475*025NSF-F        | F            | 0.125                  | 0.90                                  | 5                                    |
| 150                                   | TDC157*016WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    | 5.6                                   | TDC565*025NSF-F        | F            | 0.125                  | 1.10                                  | 5                                    |
| <b>20 WVdc; 26 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      | 6.8                                   | TDC685*025NSF-F        | F            | 0.125                  | 1.40                                  | 5                                    |
| <b>13 WVdc; 16 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      | 8.2                                   | TDC825*025NSF-F        | F            | 0.125                  | 1.60                                  | 6                                    |
| 1.0                                   | TDC105*020NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | 10                                    | TDC106*025NSF--F       | F            | 0.125                  | 2.0                                   | 6                                    |
| 1.2                                   | TDC125*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 12                                    | TDC126*025NSF-F        | F            | 0.125                  | 2.4                                   | 6                                    |
| 1.5                                   | TDC155*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 15                                    | TDC156*025NSF-F        | F            | 0.125                  | 3.0                                   | 6                                    |
| 1.8                                   | TDC185*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 18                                    | TDC186*025NSF-F        | F            | 0.125                  | 3.6                                   | 6                                    |
| 2.2                                   | TDC225*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 22                                    | TDC226*025NSF-F        | F            | 0.125                  | 4.4                                   | 6                                    |
| 2.7                                   | TDC275*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 27                                    | TDC276*025WSG-F        | G            | 0.250                  | 5.4                                   | 6                                    |
| 3.3                                   | TDC335*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 33                                    | TDC336*025WSG-F        | G            | 0.250                  | 6.6                                   | 6                                    |
| 3.9                                   | TDC395*020NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    | 39                                    | TDC396*025WSG-F        | G            | 0.250                  | 7.8                                   | 6                                    |
| 4.7                                   | TDC475*020NSE-F        | E            | 0.125                  | 0.8                                   | 5                                    | 47                                    | TDC476*025WSG-F        | G            | 0.250                  | 9.4                                   | 6                                    |
| 5.6                                   | TDC565*020NSF-F        | F            | 0.125                  | 0.9                                   | 5                                    | 56                                    | TDC566*025WSG-F        | G            | 0.250                  | 10.0                                  | 6                                    |
| 6.8                                   | TDC685*020NSF-F        | F            | 0.125                  | 1.1                                   | 5                                    | 68                                    | TDC686*025WSG-F        | G            | 0.250                  | 10.0                                  | 6                                    |

\* Indicates capacitance tolerance: K =  $\pm 10\%$ , M =  $\pm 20\%$ , (J =  $\pm 5\%$ , Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

# Type TDC Solid Tantalum Capacitors

## Ratings

| Cap<br>( $\mu$ F)                                                       | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) | Cap<br>( $\mu$ F)                                                       | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) |
|-------------------------------------------------------------------------|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|-------------------------------------------------------------------------|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|
| <b>35 WVdc; 46 Vdc Surge @ 85 °C<br/>23 WVdc; 28 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      | <b>50 WVdc; 65 Vdc Surge @ 85 °C<br/>33 WVdc; 40 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      |
| 0.10                                                                    | TDC104*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .10                                                                     | TDC104*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.12                                                                    | TDC124*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .12                                                                     | TDC124*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.15                                                                    | TDC154*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .15                                                                     | TDC154*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.18                                                                    | TDC184*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .18                                                                     | TDC184*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.22                                                                    | TDC224*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .22                                                                     | TDC224*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.27                                                                    | TDC274*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .27                                                                     | TDC274*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.33                                                                    | TDC334*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .33                                                                     | TDC334*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.39                                                                    | TDC394*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .39                                                                     | TDC394*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.47                                                                    | TDC474*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .47                                                                     | TDC474*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.56                                                                    | TDC564*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .56                                                                     | TDC564*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.68                                                                    | TDC684*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .68                                                                     | TDC684*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.82                                                                    | TDC824*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .82                                                                     | TDC824*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 1.0                                                                     | TDC105*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | 1.0                                                                     | TDC105*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 1.2                                                                     | TDC125*035NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 1.2                                                                     | TDC125*050NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    |
| 1.5                                                                     | TDC155*035NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 1.5                                                                     | TDC155*050NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    |
| 1.8                                                                     | TDC185*035NSE--F       | E            | 0.125                  | 0.5                                   | 5                                    | 1.8                                                                     | TDC185*050NSF-F        | F            | 0.125                  | 0.7                                   | 5                                    |
| 2.2                                                                     | TDC225*035NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    | 2.2                                                                     | TDC225*050NSF-F        | F            | 0.125                  | 0.9                                   | 5                                    |
| 2.7                                                                     | TDC275*035NSF-F        | F            | 0.125                  | 0.7                                   | 5                                    | 2.7                                                                     | TDC275*050NSF-F        | F            | 0.125                  | 1.1                                   | 5                                    |
| 3.3                                                                     | TDC335*035NSF-F        | F            | 0.125                  | 0.9                                   | 5                                    | 3.3                                                                     | TDC335*050NSF-F        | F            | 0.125                  | 1.3                                   | 5                                    |
| 3.9                                                                     | TDC339*035NSF-F        | F            | 0.125                  | 1.0                                   | 5                                    | 3.9                                                                     | TDC395*050NSF-F        | F            | 0.125                  | 1.6                                   | 5                                    |
| 4.7                                                                     | TDC475*035NSF-F        | F            | 0.125                  | 1.3                                   | 5                                    | 4.7                                                                     | TDC475*050NSF-F        | F            | 0.125                  | 1.9                                   | 5                                    |
| 5.6                                                                     | TDC565*035NSF-F        | F            | 0.125                  | 1.6                                   | 5                                    | 5.6                                                                     | TDC565*050NSF-F        | F            | 0.125                  | 2.2                                   | 5                                    |
| 6.8                                                                     | TDC685*035NSF-F        | F            | 0.125                  | 1.9                                   | 5                                    | 6.8                                                                     | TDC685*050WSG-F        | G            | 0.25                   | 2.7                                   | 5                                    |
| 8.2                                                                     | TDC825*035NSF-F        | F            | 0.125                  | 2.3                                   | 6                                    | 8.2                                                                     | TDC825*050WSG-F        | G            | 0.25                   | 3.3                                   | 6                                    |
| 10                                                                      | TDC106*035NSF-F        | F            | 0.125                  | 2.8                                   | 6                                    | 10                                                                      | TDC106*050WSG-F        | G            | 0.25                   | 4.0                                   | 6                                    |
| 12                                                                      | TDC126*035WSG-F        | G            | 0.25                   | 3.4                                   | 6                                    | 12                                                                      | TDC126*050WSG-F        | G            | 0.25                   | 4.8                                   | 6                                    |
| 15                                                                      | TDC156*035WSG-F        | G            | 0.25                   | 4.2                                   | 6                                    | 15                                                                      | TDC156*050WSG-F        | G            | 0.25                   | 6.0                                   | 6                                    |
| 18                                                                      | TDC186*035WSG-F        | G            | 0.25                   | 5.0                                   | 6                                    | 18                                                                      | TDC186*050WSG-F        | G            | 0.25                   | 7.2                                   | 6                                    |
| 22                                                                      | TDC226*035WSG-F        | G            | 0.25                   | 6.2                                   | 6                                    | 22                                                                      | TDC226*050WSG-F        | G            | 0.25                   | 8.8                                   | 6                                    |
| 27                                                                      | TDC276*035WSG-F        | G            | 0.25                   | 7.6                                   | 6                                    |                                                                         |                        |              |                        |                                       |                                      |
| 33                                                                      | TDC336*035WSG-F        | G            | 0.25                   | 9.2                                   | 6                                    |                                                                         |                        |              |                        |                                       |                                      |
| 39                                                                      | TDC396*035WSG-F        | G            | 0.25                   | 10                                    | 6                                    |                                                                         |                        |              |                        |                                       |                                      |
| 47                                                                      | TDC476*035WSG-F        | G            | 0.25                   | 10                                    | 6                                    |                                                                         |                        |              |                        |                                       |                                      |

\* Indicates capacitance tolerance: K =  $\pm$ 10%, M =  $\pm$ 20%, (J =  $\pm$ 5%, Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

## Part Numbering System

| TDC        | 107                       | K                    | 016                 | W               | S                      | G         | -F                           |
|------------|---------------------------|----------------------|---------------------|-----------------|------------------------|-----------|------------------------------|
| Series     | Capacitance               | Tolerance            | Voltage             | Lead Spacing    | Lead Length            | Case Code | RoHS Compliant               |
| <b>TDC</b> | <b>394</b> = 0.39 $\mu$ F | <b>J</b> = $\pm$ 5%  | <b>006</b> = 6 Vdc  | <b>N</b> = .125 | <b>S</b> = .187        | <b>E</b>  | <b>-F</b> = Compliant        |
|            | <b>105</b> = 1.0 $\mu$ F  | <b>K</b> = $\pm$ 10% | <b>010</b> = 10 Vdc | <b>W</b> = .250 | <b>T</b> = Tape & Reel | <b>F</b>  | <b>Blank</b> = Not Compliant |
|            | <b>225</b> = 2.2 $\mu$ F  | <b>M</b> = $\pm$ 20% | <b>016</b> = 16 Vdc |                 |                        | <b>G</b>  |                              |
|            | <b>186</b> = 18 $\mu$ F   |                      | <b>020</b> = 20 Vdc |                 |                        |           |                              |
|            | <b>107</b> = 100 $\mu$ F  |                      | <b>025</b> = 25 Vdc |                 |                        |           |                              |
|            |                           |                      | <b>035</b> = 35 Vdc |                 |                        |           |                              |
|            |                           |                      | <b>050</b> = 50 Vdc |                 |                        |           |                              |

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- 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.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## 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).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А