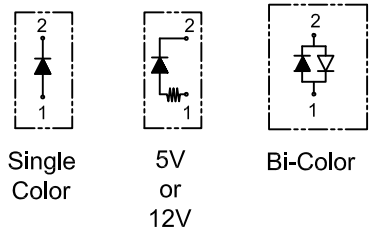
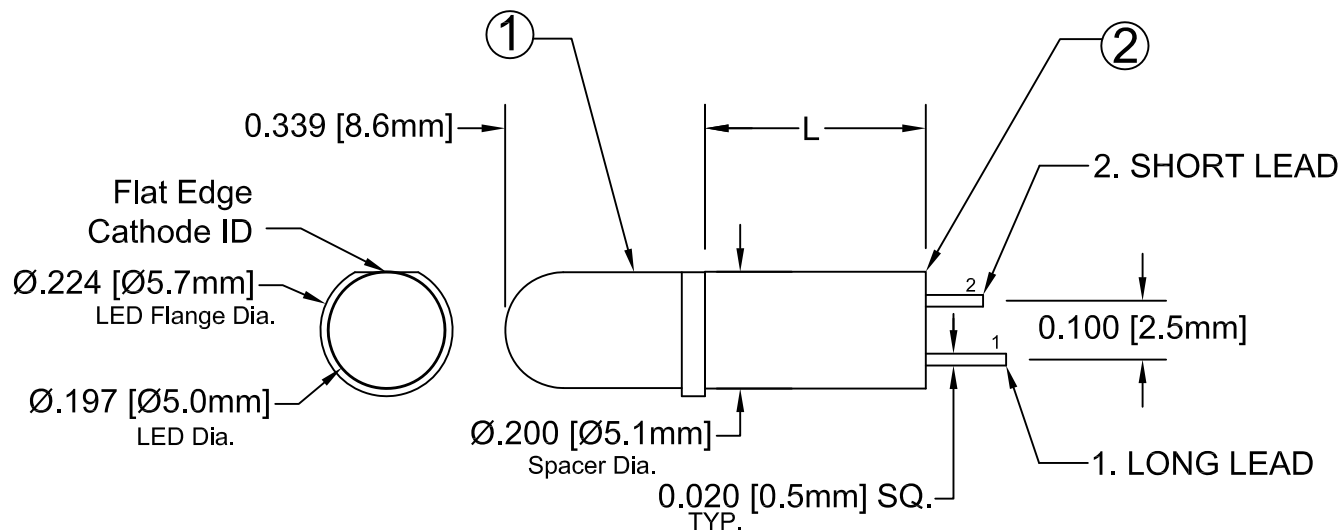


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                         |
|------|------|-------------|------------------------------------------|
| 1    | 1    | 5XX-F       | T-1¼ (5mm) Flanged LED, See Pages 2 to 4 |
| 2    | 1    | ELM1-XXX    | Extruded, Self-Retaining LED Spacer      |

| REV. | DESCRIPTION                                 | DATE     | APPROVED |
|------|---------------------------------------------|----------|----------|
| F    | Updated Specs.                              | 09/23/08 | M. C.    |
| G    | Added P/N Designation Note.                 | 07/22/09 | T. Y.    |
| H    | Added ELM12205SRDLT.                        | 01/19/11 | T. Y.    |
| J    | Added Tape & Reel Options.                  | 06/06/11 | T. Y.    |
| K    | Tape & Reel Design Update.                  | 11/15/11 | T. Y.    |
| M    | LED Offering List Update.                   | 07/26/12 | T. Y.    |
| N    | Removed LED Duplication From Offering List. | 11/09/12 | T. Y.    |



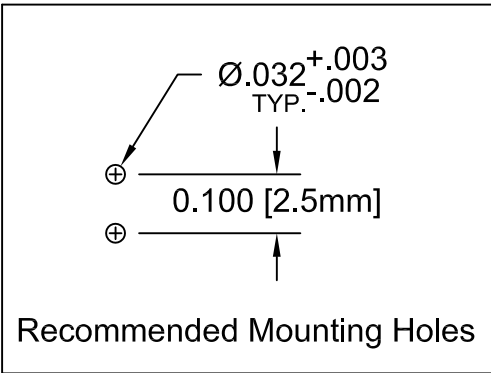
| BI-COLOR POLARITY |             |             |
|-------------------|-------------|-------------|
| LED P/N           | (1) Cathode | (2) Cathode |
| 5BC-F             | Green       | Red         |
| 5BC-Y/G-F         | Green       | Yellow      |
| 5BC-R/Y-F         | Yellow      | Red         |
| 5BC-A/G-F         | Green       | Amber       |

**ELM1XXX5XX**

ELM Series

ELM Spacer Length "L"  
-i.e. 0.120" length, use 120  
-For metric, use whole number. i.e. 2MM, 10MM

5mm LED, Emitted Color and Lens Appearance



## ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

REVERSE VOLTAGE \_\_\_\_\_ 5V

REVERSE CURRENT \_\_\_\_\_ 100µA

OPERATING TEMPERATURE RANGE \_\_\_\_\_ -25° C - 85° C

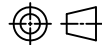
STORAGE TEMPERATURE \_\_\_\_\_ -30° C - 100° C

LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) \_\_\_\_\_ 260° C FOR 5 SECONDS

|                                                      |                                                                                       |                                                                                                                                                                 |  |
|------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED ) |                                                                                       | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |  |
| <u>DECIMALS</u>                                      | <u>ANGULAR</u>                                                                        | <b>TITLE:</b> EXTRUDED VERTICAL T-1¼<br>(5mm) LED NARROW PROFILE ASSY<br><b>PART NO:</b> ELM1XXX5XX<br><b>REVISION:</b> N                                       |  |
| .X ± .1                                              | X° ± 1°                                                                               |                                                                                                                                                                 |  |
| .XX ± .02                                            |                                                                                       |                                                                                                                                                                 |  |
| .XXX ± .010                                          |                                                                                       |                                                                                                                                                                 |  |
|                                                      |  | <b>CAGE CODE :</b> 32559 <b>SHEET # 1 OF 5</b><br>CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                                                               |  |
| <b>DESIGNED:</b><br>Minh Doan                        | <b>DATE:</b><br>07/26/12                                                              |                                                                                                                                                                 |  |
| <b>CHECKED:</b><br>T. Yin                            | <b>DATE:</b><br>07/26/12                                                              |                                                                                                                                                                 |  |

| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET#1. |      |          |
|      |              |      |          |

| LED Assy. No.  | Chip      |                  |               | Lens Appearance | Electro-Optical Data @ 20mA |        |     |          | Viewing Angle<br>2 θ ½<br>(Deg) | LED P/N   |
|----------------|-----------|------------------|---------------|-----------------|-----------------------------|--------|-----|----------|---------------------------------|-----------|
|                | Material  | Peak Wave Length | Emitted Color |                 | If (mA)                     | Vf (V) |     | Iv (mcd) |                                 |           |
|                |           |                  |               |                 | MAX                         | TYP    | MAX | TYP      |                                 |           |
| ELM1XXX5BWC    | GaN/SiC   | 430              | BLUE          | WATER CLEAR     | 25                          | 4      | 4.5 | 25       | 20                              | 5BWC-F    |
| ELM1XXX5BWD    | GaN/SiC   | 430              | BLUE          | DIFFUSED        | 25                          | 4      | 4.5 | 15       | 45                              | 5BWD-F    |
| ELM1XXX5BWT    | GaN/SiC   | 430              | BLUE          | TINTED          | 25                          | 4      | 4.5 | 30       | 20                              | 5BWT-F    |
| ELM1XXX5GC     | GaP/GaP   | 568              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.8 | 40       | 35                              | 5GC-F     |
| ELM1XXX5GD     | GaP/GaP   | 568              | GREEN         | DIFFUSED        | 30                          | 2.1    | 2.8 | 25       | 45                              | 5GD-F     |
| ELM1XXX5GT     | GaP/GaP   | 568              | GREEN         | TINTED          | 30                          | 2.1    | 2.8 | 40       | 35                              | 5GT-F     |
| ELM1XXX5PGC    | GaP/GaP   | 555              | PURE GREEN    | WATER CLEAR     | 30                          | 2.2    | 2.8 | 10       | 35                              | 5PGC-F    |
| ELM1XXX5PGD    | GaP/GaP   | 555              | PURE GREEN    | DIFFUSED        | 30                          | 2.2    | 2.8 | 10       | 45                              | 5PGD-F    |
| ELM1XXX5PGT    | GaP/GaP   | 555              | PURE GREEN    | TINTED          | 30                          | 2.2    | 2.8 | 10       | 35                              | 5PGT-F    |
| ELM1XXX5YC     | GaAsP/GaP | 590              | YELLOW        | WATER CLEAR     | 30                          | 2      | 2.8 | 40       | 35                              | 5YC-F     |
| ELM1XXX5YD     | GaAsP/GaP | 590              | YELLOW        | DIFFUSED        | 30                          | 2      | 2.8 | 25       | 45                              | 5YD-F     |
| ELM1XXX5YT     | GaAsP/GaP | 590              | YELLOW        | TINTED          | 30                          | 2      | 2.8 | 40       | 35                              | 5YT-F     |
| ELM1XXX5AC     | GaAsP/GaP | 605              | AMBER         | WATER CLEAR     | 30                          | 2      | 2.8 | 40       | 35                              | 5AC-F     |
| ELM1XXX5AD     | GaAsP/GaP | 605              | AMBER         | DIFFUSED        | 30                          | 2      | 2.8 | 25       | 45                              | 5AD-F     |
| ELM1XXX5AT     | GaAsP/GaP | 605              | AMBER         | TINTED          | 30                          | 2      | 2.8 | 40       | 35                              | 5AT-F     |
| ELM1XXX5HC     | GaAsP/GaP | 625              | HE RED        | WATER CLEAR     | 30                          | 2      | 2.8 | 40       | 35                              | 5HC-F     |
| ELM1XXX5HD     | GaAsP/GaP | 625              | HE RED        | DIFFUSED        | 30                          | 2      | 2.8 | 25       | 45                              | 5HD-F     |
| ELM1XXX5HT     | GaAsP/GaP | 625              | HE RED        | TINTED          | 30                          | 2      | 2.8 | 40       | 35                              | 5HT-F     |
| ELM1XXX5RC     | GaP/GaP   | 700              | RED           | WATER CLEAR     | 20                          | 2.1    | 2.8 | 2        | 35                              | 5RC-F     |
| ELM1XXX5RD     | GaP/GaP   | 700              | RED           | DIFFUSED        | 20                          | 2.1    | 2.8 | 2        | 45                              | 5RD-F     |
| ELM1XXX5RT     | GaP/GaP   | 700              | RED           | TINTED          | 20                          | 2.1    | 2.8 | 2        | 35                              | 5RT       |
| ELM1XXX5BC-A/G | GaAsP/GaP | 605              | AMBER         | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 6        | 45                              | 5BC-A/G-F |
|                | GaP/GaP   | 568              | GREEN         |                 | 30                          | 2.1    | 2.8 | 6        |                                 |           |
| ELM1XXX5BC     | GaAsP/GaP | 625              | RED           | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 6        | 45                              | 5BC-F     |
|                | GaP/GaP   | 568              | GREEN         |                 | 30                          | 2.1    | 2.8 | 8        |                                 |           |
| ELM1XXX5BC-R/Y | GaAsP/GaP | 625              | RED           | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 6        | 45                              | 5BC-R/Y-F |
|                | GaAsP/GaP | 590              | YELLOW        |                 | 30                          | 2.0    | 2.8 | 5        |                                 |           |
| ELM1XXX5BC-Y/G | GaAsP/GaP | 590              | YELLOW        | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 5        | 45                              | 5BC-Y/G-F |
|                | GaP/GaP   | 568              | GREEN         |                 | 30                          | 2.1    | 2.8 | 8        |                                 |           |

|                                                                         |                          |                                                                                                                                                                 |                       |
|-------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br>±10% ALL VALUES |                          | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |                       |
| ANGULAR<br>X° ± 5°                                                      |                          | <br>TITLE: EXTRUDED VERTICAL T-1¼<br>(5mm) LED NARROW PROFILE ASSY         |                       |
| DESIGNED:<br><b>Minh Doan</b>                                           | DATE:<br><b>07/26/12</b> | PART NO:<br><b>ELM1XXX5XX</b>                                                                                                                                   | REVISION:<br><b>N</b> |
| CHECKED:<br><b>T. Yin</b>                                               | DATE:<br><b>07/26/12</b> | CAGE CODE : 32559                                                                                                                                               | SHEET # 2 OF 5        |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                         |                          |                                                                                                                                                                 |                       |

|      |              |      |          |
|------|--------------|------|----------|
| REV. | DESCRIPTION  | DATE | APPROVED |
|      | SEE SHEET#1. |      |          |
|      |              |      |          |

| LED Assy. No. | Chip        |                  |               | Lens Appearance | Electro-Optical Data @ 20mA |        |     |          | Viewing Angle<br>2 θ ½<br>(Deg) | LED P/N    |
|---------------|-------------|------------------|---------------|-----------------|-----------------------------|--------|-----|----------|---------------------------------|------------|
|               | Material    | Peak Wave Length | Emitted Color |                 | If (mA)                     | Vf (V) |     | Iv (mcd) |                                 |            |
|               |             |                  |               |                 |                             | MAX    | TYP |          |                                 |            |
| EML1XXX5UBWC  | InGaN/SiC   | 468              | BLUE          | WATER CLEAR     | 76                          | 3.7    | 4.5 | 2500     | 15                              | 5BWC2.515F |
| ELM1XXX5SGC   | GaP/GaP     | 568              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.8 | 60       | 35                              | 5SGC-F     |
| ELM1XXX5SGD   | GaP/GaP     | 568              | GREEN         | DIFFUSED        | 30                          | 2.1    | 2.8 | 50       | 40                              | 5SGD-F     |
| ELM1XXX5SGT   | GaP/GaP     | 568              | GREEN         | TINTED          | 30                          | 2.1    | 2.8 | 60       | 35                              | 5SGT-F     |
| ELM1XXX5SYC   | GaAsP/GaP   | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.8 | 600      | 35                              | 5SYC-F     |
| ELM1XXX5SYD   | GaAsP/GaP   | 590              | YELLOW        | DIFFUSED        | 30                          | 2.0    | 2.8 | 150      | 40                              | 5SYD-F     |
| ELM1XXX5SYT   | GaAsP/GaP   | 590              | YELLOW        | TINTED          | 30                          | 2.0    | 2.8 | 600      | 35                              | 5SYT-F     |
| ELM1XXX5SRC   | GaAlAs/GaAs | 645              | SUPER RED     | WATER CLEAR     | 30                          | 1.7    | 2.4 | 60       | 35                              | 5SRC-F     |
| ELM1XXX5SRD   | GaAlAs/GaAs | 645              | SUPER RED     | DIFFUSED        | 30                          | 1.7    | 2.4 | 40       | 40                              | 5SRD-F     |
| ELM1XXX5SRT   | GaAlAs/GaAs | 645              | SUPER RED     | TINTED          | 30                          | 1.7    | 2.4 | 60       | 35                              | 5SRT-F     |
| ELM1XXX5UGC   | AlGaInP     | 570              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.4 | 400      | 35                              | 5UGC-F     |
| ELM1XXX5SUGC  | AlGaInP     | 570              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.4 | 300      | 35                              | 5SUGC-F    |
| ELM1XXX5UYC   | AlGaInP     | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.4 | 1000     | 30                              | 5UYC-F     |
| ELM1XXX5SUYC  | AlGaInP     | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.4 | 700      | 35                              | 5SUYC-F    |
| ELM1XXX5UUYC  | AlGaInP     | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.4 | 500      | 35                              | 5UUYC-F    |
| ELM1XXX5UOC   | AlGaInP     | 625              | ORANGE        | WATER CLEAR     | 30                          | 1.8    | 2.4 | 1400     | 35                              | 5UOC-F     |
| ELM1XXX5UOC   | AlGaInP     | 625              | ORANGE        | WATER CLEAR     | 30                          | 1.8    | 2.4 | 1300     | 35                              | 5SUOC-F    |
| ELM1XXX5URC   | GaAlAs/GaAs | 645              | RED           | WATER CLEAR     | 30                          | 1.7    | 2.4 | 400      | 30                              | 5URC-F     |
| ELM1XXX5SURC  | AlGaInP     | 640              | RED           | WATER CLEAR     | 30                          | 1.8    | 2.4 | 500      | 35                              | 5SURC-F    |
| ELM1XXX5UWC   | InGaN/SiC   | 6500K            | WHITE         | WATER CLEAR     | 100                         | 3.5    | 4.2 | 2700     | 30                              | 5WC2.730F  |

|                                                                                |                          |                                                                                                  |  |                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> |                          | ANGULAR<br>X° ± 5°                                                                               |  | <div></div> <div>4 THOMAS, IRVINE, CA. 92618<br/>TEL: (949) 951-8808 FAX: (949) 951-3974</div> |  |
|                                                                                |                          | <div></div> |  | TITLE: EXTRUDED VERTICAL T-1 3/4<br>(5mm) LED NARROW PROFILE ASSY                                                                                                                   |  |
| DESIGNED:<br><b>Minh Doan</b>                                                  | DATE:<br><b>07/26/12</b> | PART NO: <b>ELM1XXX5XX</b>                                                                       |  | REVISION<br><b>N</b>                                                                                                                                                                |  |
| CHECKED:<br><b>T. Yln</b>                                                      | DATE:<br><b>07/26/12</b> | CAGE CODE : <b>32559</b>                                                                         |  | SHEET # 3 OF 5                                                                                                                                                                      |  |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                                |                          |                                                                                                  |  |                                                                                                                                                                                     |  |

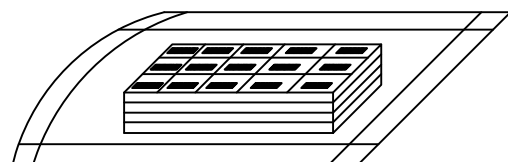
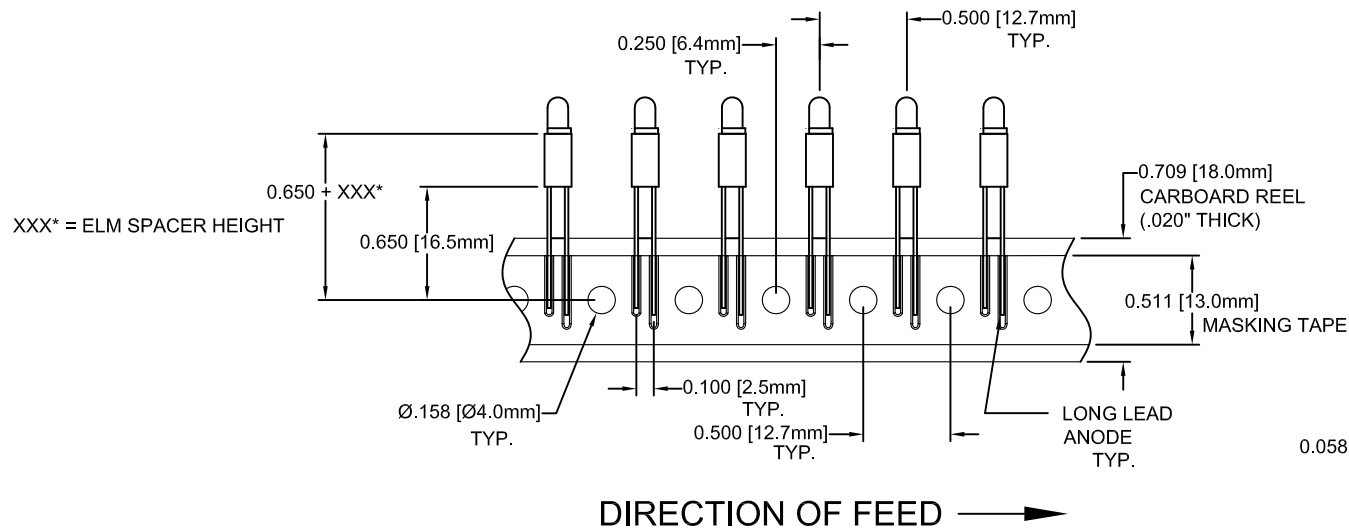
| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET#1. |      |          |
|      |              |      |          |

| LED Assy. No. | Peak Wave Length<br>$\lambda_p$ (nm) | Emitted Color | Lens Appearance | Max. Rating | Electro-Optical Data @ 2mA |     |             | Viewing Angle<br>$2\theta \frac{1}{2}$<br>(Deg) | LED P/N |
|---------------|--------------------------------------|---------------|-----------------|-------------|----------------------------|-----|-------------|-------------------------------------------------|---------|
|               |                                      |               |                 | If<br>(mA)  | Vf<br>(V)                  |     | Iv<br>(mcd) |                                                 |         |
|               |                                      |               |                 | MAX         | TYP                        | MAX | TYP         |                                                 |         |
| ELM1XXX5BWDL  | 430                                  | BLUE          | DIFFUSED        | 7           | 3.8                        | 4.2 | 4           | 40                                              | 5BWDL-F |
| ELM1XXX5PGDL  | 555                                  | PURE GREEN    | DIFFUSED        | 7           | 2.1                        | 2.6 | 1           | 40                                              | 5PGDL-F |
| ELM1XXX5GDL   | 568                                  | GREEN         | DIFFUSED        | 7           | 2.1                        | 2.6 | 4           | 40                                              | 5GDL-F  |
| ELM1XXX5YDL   | 590                                  | YELLOW        | DIFFUSED        | 7           | 2.0                        | 2.6 | 4           | 40                                              | 5YDL-F  |
| ELM1XXX5ADL   | 605                                  | AMBER         | DIFFUSED        | 7           | 2.0                        | 2.6 | 4           | 40                                              | 5ADL-F  |
| ELM1XXX5HDL   | 625                                  | HE RED        | DIFFUSED        | 7           | 2.0                        | 2.6 | 5           | 40                                              | 5HDL-F  |
| ELM1XXX5SRDL  | 645                                  | SUPER RED     | DIFFUSED        | 7           | 1.7                        | 2.3 | 6           | 40                                              | 5SRDL-F |

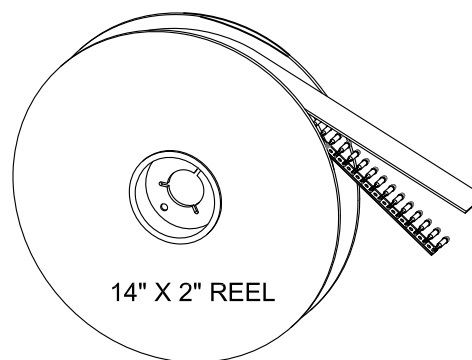
| Assembly P/N  | Peak Wave Length<br>λp(nm) | Emitted Color | Lens Appearance | Electro-Optical Data |        |     |          | Viewing Angle<br>2 θ½<br>(Deg) | LED P/N  |
|---------------|----------------------------|---------------|-----------------|----------------------|--------|-----|----------|--------------------------------|----------|
|               |                            |               |                 | If (mA)              | Vf (V) |     | Iv (mcd) |                                |          |
|               |                            |               |                 | MAX                  | TYP    | MAX | TYP      |                                |          |
| 5 Volt        |                            |               |                 | Data @ 5V            |        |     |          |                                |          |
| ELM1XXX5BWD5V | BLUE                       | 430           | DIFFUSED        | -                    | -      | 5   | 15       | 40                             | 5BWD5V-F |
| ELM1XXX5GC5V  | GREEN                      | 568           | WATER CLEAR     | -                    | -      | 5   | 40       | 40                             | 5GC5V-F  |
| ELM1XXX5GD5V  | GREEN                      | 568           | DIFFUSED        | -                    | -      | 5   | 25       | 40                             | 5GD5V-F  |
| ELM1XXX5GT5V  | GREEN                      | 568           | TINTED          | -                    | -      | 5   | 40       | 40                             | 5GT5V-F  |
| ELM1XXX5AD5V  | AMBER                      | 605           | DIFFUSED        | -                    | -      | 5   | 25       | 40                             | 5AD5V-F  |
| ELM1XXX5HD5V  | HE RED                     | 625           | DIFFUSED        | -                    | -      | 5   | 30       | 40                             | 5HD5V-F  |
| ELM1XXX5RD5V  | RED                        | 700           | DIFFUSED        | -                    | -      | 5   | 1.5      | 40                             | 5RD5V-F  |
| ELM1XXX5YD5V  | YELLOW                     | 590           | DIFFUSED        | -                    | -      | 5   | 25       | 40                             | 5YD5V-F  |
| 12 Volt       |                            |               |                 | Data @ 12V           |        |     |          |                                |          |
| ELM1XXX5GC12V | GREEN                      | 568           | WATER CLEAR     | -                    | -      | 12  | 40       | 35                             | 5GC12V-F |
| ELM1XXX5GD12V | GREEN                      | 568           | DIFFUSED        | -                    | -      | 12  | 25       | 40                             | 5GD12V-F |
| ELM1XXX5HC12V | HE RED                     | 625           | WATER CLEAR     | -                    | -      | 12  | 50       | 35                             | 5HC12V-F |
| ELM1XXX5HD12V | HE RED                     | 625           | DIFFUSED        | -                    | -      | 12  | 30       | 40                             | 5HD12V-F |
| ELM1XXX5RC12V | RED                        | 700           | WATER CLEAR     | -                    | -      | 12  | 2        | 35                             | 5RC12V-F |
| ELM1XXX5RD12V | RED                        | 700           | DIFFUSED        | -                    | -      | 12  | 1.5      | 40                             | 5RD12V-F |
| ELM1XXX5YC12V | YELLOW                     | 590           | WATER CLEAR     | -                    | -      | 12  | 25       | 35                             | 5YC12V-F |
| ELM1XXX5YD12V | YELLOW                     | 590           | DIFFUSED        | -                    | -      | 12  | 20       | 40                             | 5YD12V-F |

|                                                                                |                          |                                                                                                  |  |                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> |                          | ANGULAR<br>X° ± 5°                                                                               |  | <div></div> <div>4 THOMAS, IRVINE, CA. 92618<br/>TEL: (949) 951-8808 FAX: (949) 951-3974</div> |  |
|                                                                                |                          | <div></div> |  | TITLE: EXTRUDED VERTICAL T-1¾<br>(5mm) LED NARROW PROFILE ASSY                                                                                                                      |  |
| DESIGNED:<br><b>Minh Doan</b>                                                  | DATE:<br><b>07/26/12</b> | PART NO:<br><b>ELM1XXX5XX</b>                                                                    |  | REVISION:<br><b>N</b>                                                                                                                                                               |  |
| CHECKED:<br><b>T. Yin</b>                                                      | DATE:<br><b>07/26/12</b> | CAGE CODE : <b>32559</b>                                                                         |  | SHEET # <b>4</b> OF <b>5</b>                                                                                                                                                        |  |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                                |                          |                                                                                                  |  |                                                                                                                                                                                     |  |

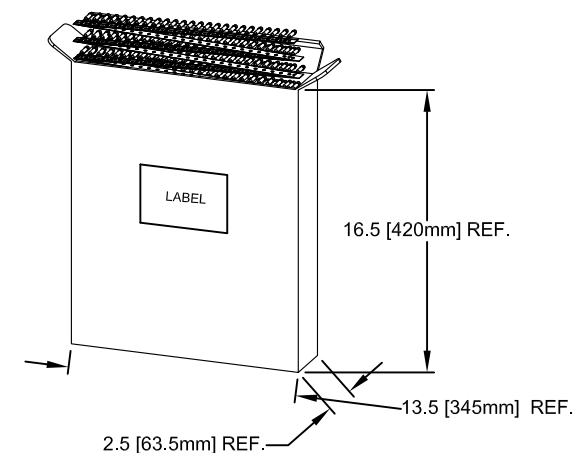
| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET #1 |      |          |
|      |              |      |          |
|      |              |      |          |
|      |              |      |          |
|      |              |      |          |
|      |              |      |          |



STANDARD PACKAGING TRAY



TAPE & REEL  
1,000 pcs / reel



AMMO PACK  
2,000 pcs / box

NOTE:

1. STANDARD PART NUMBERS ARE PACKAGED IN LOOSE PIECES USING PACKAGING TRAYS
2. ADD "T" SUFFIX TO PART NUMBER FOR TAPE AND REEL PACKAGING OPTION (1,000 PCS/REEL)
3. ADD "A" SUFFIX TO PART NUMBER FOR AMMO PACK OPTION (2,000 PCS/BOX)
4. TAPE AND REEL PACKAGING COMPLY TO EIA-468-C

|                                                      |                          |                                                                                                     |  |
|------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <b>BIVAR</b> <sup>®</sup><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |  |
| <u>DECIMALS</u>                                      | <u>ANGULAR</u>           |                                                                                                     |  |
| .X ± .1                                              | X° ± 1°                  | <b>TITLE:</b> EXTRUDED VERTICAL T-1<br>(5mm) LED NARROW PROFILE ASSY                                |  |
| .XX ± .02                                            |                          |                                                                                                     |  |
| .XXX ± .010                                          |                          | <b>PART NO:</b> ELM1XXX5XX                                                                          |  |
|                                                      |                          |                                                                                                     |  |
| DESIGNED:<br><b>Ty Yin</b>                           | DATE:<br><b>03/10/04</b> | <b>REVISION:</b> N                                                                                  |  |
| CHECKED:<br><b>David Green</b>                       | DATE:<br><b>03/10/04</b> |                                                                                                     |  |
|                                                      |                          | <b>CAGE CODE : 32559</b>                                                                            |  |
|                                                      |                          | <b>SHEET # 5 OF 5</b>                                                                               |  |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                          |                                                                                                     |  |

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