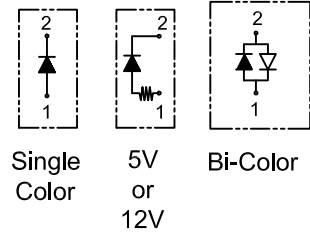
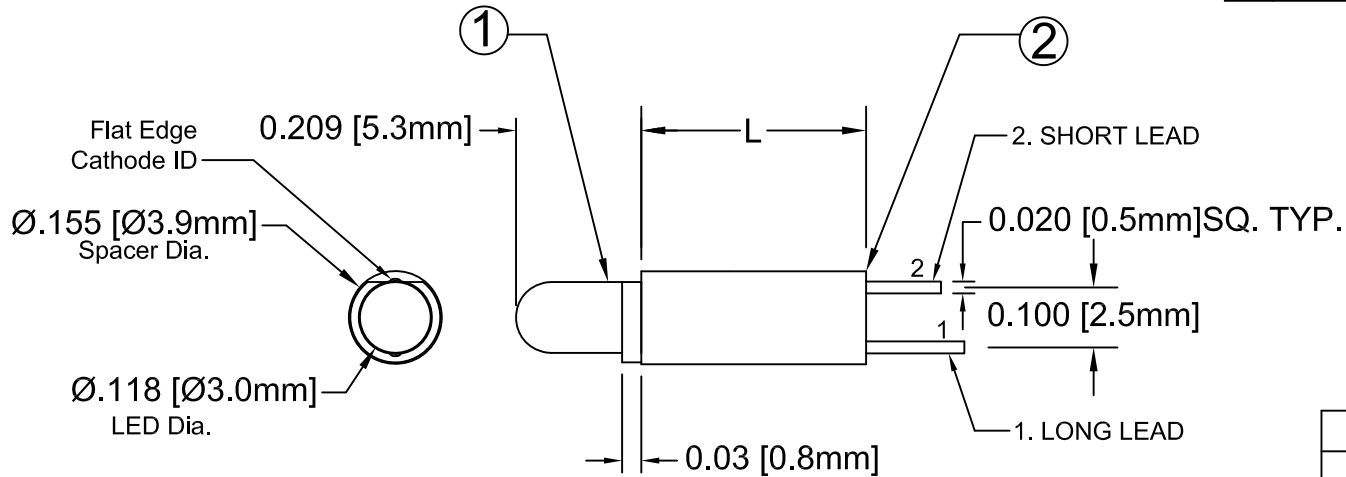
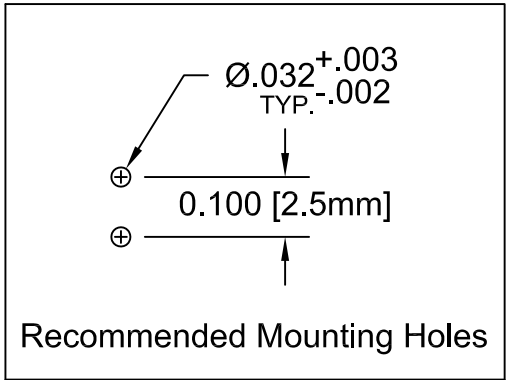


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                           |
|------|------|-------------|--------------------------------------------|
| 1    | 1    | 3XX-F       | T-1 (3mm) Flanged LED, See Pages 2 to 4    |
| 2    | 1    | ELM 5-XXX   | Extruded, Self-Retaining Narrow LED Spacer |

| REV. | DESCRIPTION                          | DATE     | APPROVED |
|------|--------------------------------------|----------|----------|
| D    | Update BOM and Top View of ELM       | 11/07/06 | M. C.    |
| E    | Added Low Current LEDs               | 01/04/07 | M. C.    |
| F    | Corrected LED Part Numbers on Page 3 | 03/12/07 | M. C.    |
| G    | Added 3SRC-F LED to Page 3           | 12/21/07 | M. C.    |
| H    | Removed Tolerance Note.              | 09/03/08 | M. C.    |
| J    | Added ELM5XXX3UYC Specs.             | 09/24/08 | M. C.    |
| K    | Added Bi-Color LED Polarity Diagram. | 03/29/10 | T. Y.    |
| L    | Added Tape & Reel Options.           | 06/07/11 | T. Y.    |
| M    | Tape & Reel Design Update.           | 11/21/11 | T. Y.    |
| N    | LED Offering List Update             | 07/27/12 | T. Y.    |
| P    | Corrected LED Typo                   | 08/09/13 | T. Y.    |
| R    | Corrected P/N Typo in BOM            | 09/19/13 | T. Y.    |



| BI-COLOR POLARITY |             |             |
|-------------------|-------------|-------------|
| LED P/N           | (1) Cathode | (2) Cathode |
| 3BC-F             | Green       | Red         |
| 3BC-Y/G-F         | Green       | Yellow      |
| 3BC-R/Y-F         | Yellow      | Red         |
| 3BC-A/G-F         | Green       | Amber       |



## ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

|                                             |                      |
|---------------------------------------------|----------------------|
| REVERSE VOLTAGE                             | 5V                   |
| REVERSE CURRENT                             | 100uA                |
| 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>    |                                                                                                                                                                 |                                                                      |
| .X ± .1                                              | X° ± 1°           |                                                                                                                                                                 |                                                                      |
| .XX ± .02                                            |                   |                                                                            | TITLE: EXTRUDED VERTICAL T-1 (3mm)<br>LED NARROW SPACER PROFILE ASSY |
| .XXX ± .010                                          |                   |                                                                                                                                                                 |                                                                      |
| DESIGNED:<br>Minh Doan                               | DATE:<br>07/27/12 | PART NO:<br>ELM5XXX3XX                                                                                                                                          |                                                                      |
| CHECKED:<br>T. Yin                                   | DATE:<br>07/27/12 | CAGE CODE : 32559                                                                                                                                               | SHEET # 1 OF 5                                                       |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                   |                                                                                                                                                                 |                                                                      |

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|------|--------------|------|----------|
| 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<br>(mA)                  | Vf<br>(V) |     | Iv<br>(mcd) |                                 |           |
|                |           |                  |               |                 |                             | MAX       | TYP |             |                                 |           |
| ELM5XXX3BWC    | GaN/SiC   | 430              | BLUE          | WATER CLEAR     | 25                          | 4         | 4.5 | 15          | 20                              | 3BWC-F    |
| ELM5XXX3BWD    | GaN/SiC   | 430              | BLUE          | DIFFUSED        | 25                          | 4         | 4.5 | 10          | 35                              | 3BWD-F    |
| ELM5XXX3BWT    | GaN/SiC   | 430              | BLUE          | TINTED          | 25                          | 4         | 4.5 | 15          | 20                              | 3BWT-F    |
| ELM5XXX3GC     | GaP/GaP   | 568              | GREEN         | WATER CLEAR     | 30                          | 2.1       | 2.8 | 40          | 20                              | 3GC-F     |
| ELM5XXX3GD     | GaP/GaP   | 568              | GREEN         | DIFFUSED        | 30                          | 2.1       | 2.8 | 25          | 35                              | 3GD-F     |
| ELM5XXX3GT     | GaP/GaP   | 568              | GREEN         | TINTED          | 30                          | 2.1       | 2.8 | 40          | 20                              | 3GT-F     |
| ELM5XXX3PGC    | GaP/GaP   | 555              | PURE GREEN    | WATER CLEAR     | 30                          | 2.2       | 2.8 | 10          | 20                              | 3PGC-F    |
| ELM5XXX3PGD    | GaP/GaP   | 555              | PURE GREEN    | DIFFUSED        | 30                          | 2.2       | 2.8 | 5           | 35                              | 3PGD-F    |
| ELM5XXX3PGT    | GaP/GaP   | 555              | PURE GREEN    | TINTED          | 30                          | 2.2       | 2.8 | 10          | 20                              | 3PGT-F    |
| ELM5XXX3YC     | GaAsP/GaP | 590              | YELLOW        | WATER CLEAR     | 30                          | 2         | 2.8 | 40          | 20                              | 3YC-F     |
| ELM5XXX3YD     | GaAsP/GaP | 590              | YELLOW        | DIFFUSED        | 30                          | 2         | 2.8 | 20          | 35                              | 3YD-F     |
| ELM5XXX3YT     | GaAsP/GaP | 590              | YELLOW        | TINTED          | 30                          | 2         | 2.8 | 40          | 20                              | 3YT-F     |
| ELM5XXX3AC     | GaAsP/GaP | 605              | AMBER         | WATER CLEAR     | 30                          | 2         | 2.8 | 40          | 20                              | 3AC-F     |
| ELM5XXX3AD     | GaAsP/GaP | 605              | AMBER         | DIFFUSED        | 30                          | 2         | 2.8 | 25          | 35                              | 3AD-F     |
| ELM5XXX3AT     | GaAsP/GaP | 605              | AMBER         | TINTED          | 30                          | 2         | 2.8 | 40          | 20                              | 3AT-F     |
| ELM5XXX3HC     | GaAsP/GaP | 625              | HE RED        | WATER CLEAR     | 30                          | 2         | 2.8 | 50          | 20                              | 3HC-F     |
| ELM5XXX3HD     | GaAsP/GaP | 625              | HE RED        | DIFFUSED        | 30                          | 2         | 2.8 | 30          | 35                              | 3HD-F     |
| ELM5XXX3HT     | GaAsP/GaP | 625              | HE RED        | TINTED          | 30                          | 2         | 2.8 | 50          | 20                              | 3HT-F     |
| ELM5XXX3RC     | GaP/GaP   | 700              | RED           | WATER CLEAR     | 20                          | 2.1       | 2.8 | 2.5         | 35                              | 3RC-F     |
| ELM5XXX3RD     | GaP/GaP   | 700              | RED           | DIFFUSED        | 20                          | 2.1       | 2.8 | 2           | 20                              | 3RD-F     |
| ELM5XXX3RT     | GaP/GaP   | 700              | RED           | TINTED          | 20                          | 2.1       | 2.8 | 2.5         | 20                              | 3RT-F     |
| ELM5XXX3BC-A/G | GaAsP/GaP | 605              | AMBER         | DIFFUSED        | 30                          | 2.0       | 2.8 | 6           | 45                              | 3BC-A/G-F |
|                | GaP/GaP   | 568              | GREEN         |                 | 30                          | 2.1       | 2.8 | 6           |                                 |           |
| ELM5XXX3BC     | GaAsP/GaP | 625              | RED           | DIFFUSED        | 30                          | 2.0       | 2.8 | 6           | 45                              | 3BC-F     |
|                | GaP/GaP   | 568              | GREEN         |                 | 30                          | 2.1       | 2.8 | 6           |                                 |           |
| ELM5XXX3BC-R/Y | GaAsP/GaP | 625              | RED           | DIFFUSED        | 30                          | 2.0       | 2.8 | 6           | 45                              | 3BC-R/Y-F |
|                | GaAsP/GaP | 590              | YELLOW        |                 | 30                          | 2.0       | 2.8 | 4           |                                 |           |
| ELM5XXX3BC-Y/G | GaAsP/GaP | 590              | YELLOW        | DIFFUSED        | 30                          | 2.0       | 2.8 | 4           | 45                              | 3BC-Y/G-F |
|                | GaP/GaP   | 568              | GREEN         |                 | 30                          | 2.1       | 2.8 | 6           |                                 |           |

|                                                                                |  |                                                                                       |  |                                                                                                                                                                 |  |
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| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> |  | ANGULAR<br>X° ± 5°                                                                    |  | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |  |
|                                                                                |  |  |  | TITLE: EXTRUDED VERTICAL T-1 (3mm)<br>LED STANDARD PROFILE SPACER ASSY                                                                                          |  |
| DESIGNED:<br>Minh Doan                                                         |  | DATE:<br>07/27/12                                                                     |  | PART NO: ELM5XXX3XX                                                                                                                                             |  |
| CHECKED:<br>T. Yin                                                             |  | DATE:<br>07/27/12                                                                     |  | REVISION: R                                                                                                                                                     |  |
|                                                                                |  |                                                                                       |  | CAGE CODE : 32559 SHEET # 2 OF 5                                                                                                                                |  |
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| 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 |          |                                 |              |
| ELM5XXX3UBWC  | GaN/SiC       | 470              | BLUE          | WATER CLEAR     | 30                          | 4      | 4.5 | 400      | 30                              | 3UBWC-0.6K-F |
| ELM5XXX3SGC   | GaP/GaP       | 568              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.8 | 50       | 20                              | 3SGC-F       |
| ELM5XXX3SGD   | GaP/GaP       | 568              | GREEN         | DIFFUSED        | 30                          | 2.1    | 2.8 | 30       | 35                              | 3SGD-F       |
| ELM5XXX3SGT   | GaP/GaP       | 568              | GREEN         | TINTED          | 30                          | 2.1    | 2.8 | 50       | 20                              | 3SGT-F       |
| ELM5XXX3SYC   | GaAsP/GaP     | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.8 | 50       | 20                              | 3SYC-F       |
| ELM5XXX3SYD   | GaAsP/GaP     | 590              | YELLOW        | DIFFUSED        | 30                          | 2.0    | 2.8 | 30       | 35                              | 3SYD-F       |
| ELM5XXX3SYT   | GaAsP/GaP     | 590              | YELLOW        | TINTED          | 30                          | 2.0    | 2.8 | 50       | 20                              | 3SYT-F       |
| ELM5XXX3SAC   | AlGaInP       | 605              | AMBER         | WATER CLEAR     | 30                          | 1.8    | 2.4 | 300      | 20                              | 3SAC-F       |
| ELM5XXX3SAD   | AlGaInP       | 605              | AMBER         | DIFFUSED        | 30                          | 1.8    | 2.4 | 100      | 35                              | 3SAD-F       |
| ELM5XXX3SAT   | AlGaInP       | 605              | AMBER         | TINTED          | 30                          | 1.8    | 2.4 | 300      | 20                              | 3SAT-F       |
| ELM5XXX3SRC   | GaAlAs/GaAs   | 645              | SUPER RED     | WATER CLEAR     | 30                          | 1.7    | 2.4 | 60       | 20                              | 3SRC-F       |
| ELM5XXX3SRD   | GaAlAs/GaAs   | 645              | SUPER RED     | DIFFUSED        | 30                          | 1.7    | 2.4 | 40       | 35                              | 3SRD-F       |
| ELM5XXX3SRT   | GaAlAs/GaAs   | 645              | SUPER RED     | TINTED          | 30                          | 1.7    | 2.4 | 60       | 20                              | 3SRT-F       |
| ELM5XXX3UGC   | AlGaInP       | 570              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.4 | 200      | 20                              | 3UGC-F       |
| ELM5XXX3SUGC  | AlGaInP       | 570              | GREEN         | WATER CLEAR     | 30                          | 2.1    | 2.4 | 300      | 35                              | 3SUGC-F      |
| ELM5XXX3UYC   | AlGaInP       | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.4 | 300      | 20                              | 3UYC-F       |
| ELM5XXX3SUYC  | AlGaInP       | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.4 | 400      | 20                              | 3SUYC-F      |
| ELM5XXX3UUYC  | AlGaInP       | 590              | YELLOW        | WATER CLEAR     | 30                          | 2.0    | 2.4 | 600      | 35                              | 3UUYC-F      |
| ELM5XXX3UOC   | AlGaInP       | 625              | ORANGE        | WATER CLEAR     | 30                          | 1.8    | 2.4 | 300      | 20                              | 3UOC-F       |
| ELM5XXX3SUOC  | AlGaInP       | 625              | ORANGE        | WATER CLEAR     | 30                          | 1.8    | 2.4 | 400      | 20                              | 3SUOC-F      |
| ELM5XXX3URC   | GaAlAs/GaAs   | 645              | RED           | WATER CLEAR     | 30                          | 1.7    | 2.4 | 200      | 35                              | 3URC-F       |
| ELM5XXX3SURC  | AlGaInP       | 640              | RED           | WATER CLEAR     | 30                          | 1.8    | 2.4 | 200      | 20                              | 3SURC-F      |
| ELM5XXX3UWC   | InGaN/Sappire | 6500K            | WHITE         | WATER CLEAR     | 30                          | 3.4    | 3.8 | 1000     | 35                              | 3UWC1.035C-F |

|                                                                                |  |                                                                                       |  |                                                                                                  |  |
|--------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> |  | ANGULAR<br><br>X° ± 5°                                                                |  | <div>BIVAR®</div><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808      FAX: (949) 951-3974 |  |
|                                                                                |  |  |  | TITLE:    EXTRUDED VERTICAL T-1 (3mm)<br>LED STANDARD PROFILE SPACER ASSY                        |  |
| DESIGNED:<br><b>Minh Doan</b>                                                  |  | DATE:<br><b>07/27/12</b>                                                              |  | PART NO:    ELM5XXX3XX                                                                           |  |
| CHECKED:<br><b>T. Yin</b>                                                      |  | DATE:<br><b>07/27/12</b>                                                              |  | REVISION:    R                                                                                   |  |
|                                                                                |  |                                                                                       |  | CAGE CODE : 32559    SHEET # 3 OF 5                                                              |  |
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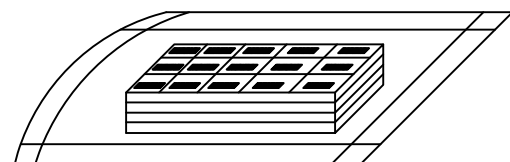
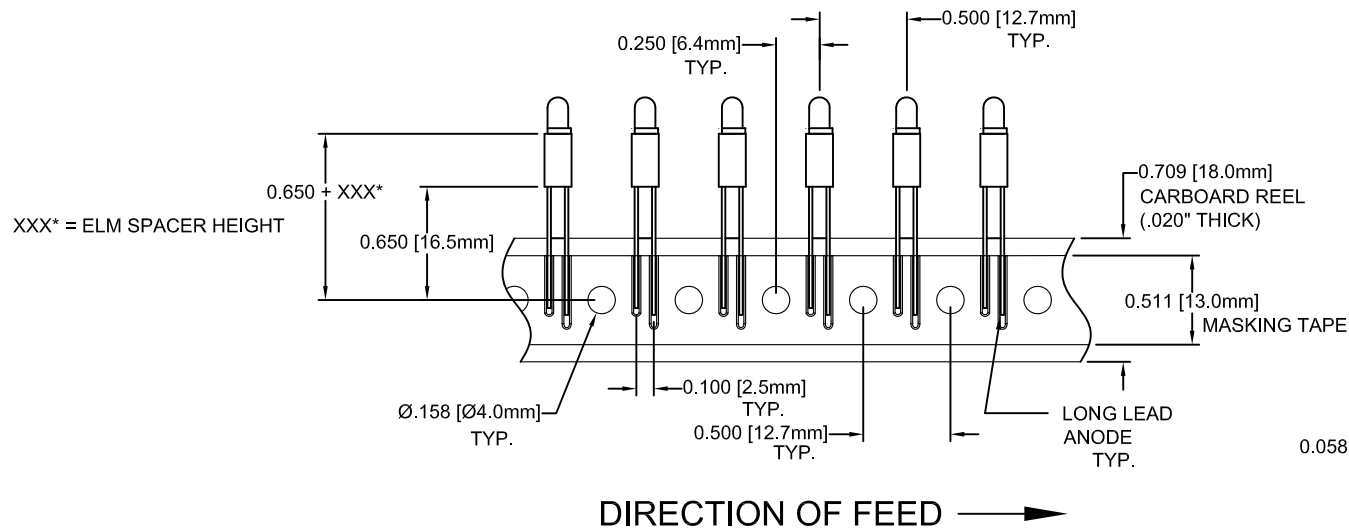
| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET#1. |      |          |
|      |              |      |          |

| LED Assy. No. | Chip        |                            |               | Lens Appearance | Absolute Max. Ratings |            |             | Electro-Optical Data @ 2mA |     |             | Viewing Angle<br>2 θ ½<br>(Deg) | LED P/N |
|---------------|-------------|----------------------------|---------------|-----------------|-----------------------|------------|-------------|----------------------------|-----|-------------|---------------------------------|---------|
|               | Material    | Peak Wave Length<br>λp(nm) | Emitted Color |                 | Pd<br>(mW)            | If<br>(mA) | Peak If(mA) | Vf<br>(V)                  |     | Iv<br>(mcd) |                                 |         |
|               |             |                            |               |                 |                       |            |             | TYP                        | MAX | TYP         |                                 |         |
| ELM5XX3BWDL   | GaN/siC     | 430                        | BLUE          | DIFFUSED        | 20                    | 7          | -           | 3.8                        | 4.2 | 2.5         | 35                              | 3BWDL-F |
| ELM5XX3GDL    | GaP/GaP     | 568                        | GREEN         | DIFFUSED        | 10                    | 7          | -           | 2.1                        | 2.6 | 4.0         | 35                              | 3GDL-F  |
| ELM5XX3PGDL   | GaP/GaP     | 555                        | PURE GREEN    | DIFFUSED        | 10                    | 7          | -           | 2.1                        | 2.6 | 0.2         | 35                              | 3PGDL-F |
| ELM5XX3YDL    | GaAsP/GaP   | 590                        | YELLOW        | DIFFUSED        | 10                    | 7          | -           | 2.0                        | 2.6 | 2.0         | 35                              | 3YDL-F  |
| ELM5XX3ADL    | GaAsP/GaP   | 605                        | AMBER         | DIFFUSED        | 10                    | 7          | -           | 2.0                        | 2.6 | 4.0         | 35                              | 3ADL-F  |
| ELM5XX3HDL    | GaAsP/GaP   | 625                        | HE RED        | DIFFUSED        | 10                    | 7          | -           | 2.0                        | 2.6 | 2.5         | 35                              | 3HDL-F  |
| ELM5XX3RDL    | GaP/GaP     | 700                        | RED           | DIFFUSED        | 10                    | 7          | -           | 2.1                        | 2.6 | 0.5         | 35                              | 3RDL-F  |
| ELM5XX3SRDL   | GaAlAs/GaAs | 645                        | RED           | DIFFUSED        | 10                    | 7          | -           | 2.0                        | -   | 8.0         | 35                              | 3SRDL-F |

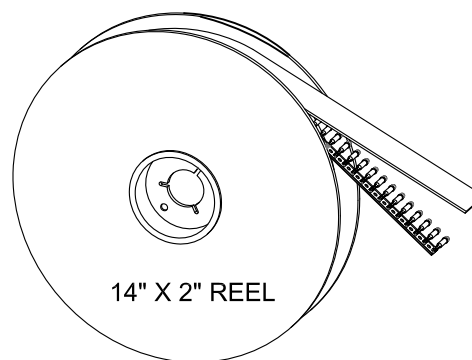
| Assembly P/N  | Peak Wave Length<br>λp(nm) | Emitted Color | Lens Appearance | Electro-Optical Data |           |     |             | Viewing Angle<br>2 θ½<br>(Deg) | LED P/N  |
|---------------|----------------------------|---------------|-----------------|----------------------|-----------|-----|-------------|--------------------------------|----------|
|               |                            |               |                 | If<br>(mA)           | Vf<br>(V) |     | Iv<br>(mcd) |                                |          |
|               |                            |               |                 | MAX                  | TYP       | MAX | TYP         |                                |          |
| 5 Volt        |                            |               |                 | Data @ 5V            |           |     |             |                                |          |
| ELM5XXX3BWD5V | BLUE                       | 430           | DIFFUSED        | -                    | -         | 5   | 10          | 35                             | 3BWD5V-F |
| ELM5XXX3GC5V  | GREEN                      | 568           | WATER CLEAR     | -                    | -         | 5   | 40          | 20                             | 3GC5V-F  |
| ELM5XXX3GD5V  | GREEN                      | 568           | DIFFUSED        | -                    | -         | 5   | 25          | 35                             | 3GD5V-F  |
| ELM5XXX3GT5V  | GREEN                      | 568           | TINTED          | -                    | -         | 5   | 40          | 20                             | 3GT5V-F  |
| ELM5XXX3AD5V  | AMBER                      | 605           | DIFFUSED        | -                    | -         | 5   | 25          | 35                             | 3AD5V-F  |
| ELM5XXX3HD5V  | HE RED                     | 625           | DIFFUSED        | -                    | -         | 5   | 30          | 35                             | 3HD5V-F  |
| ELM5XXX3RD5V  | RED                        | 700           | DIFFUSED        | -                    | -         | 5   | 2           | 35                             | 3RD5V-F  |
| ELM5XXX3YD5V  | YELLOW                     | 590           | DIFFUSED        | -                    | -         | 5   | 20          | 35                             | 3YD5V-F  |
| 12 Volt       |                            |               |                 | Data @ 12V           |           |     |             |                                |          |
| ELM5XXX3GC12V | GREEN                      | 568           | WATER CLEAR     | -                    | -         | 12  | 40          | 20                             | 3GC12V-F |
| ELM5XXX3GD12V | GREEN                      | 568           | DIFFUSED        | -                    | -         | 12  | 25          | 35                             | 3GD12V-F |
| ELM5XXX3HC12V | HE RED                     | 625           | WATER CLEAR     | -                    | -         | 12  | 50          | 20                             | 3HC12V-F |
| ELM5XXX3HD12V | HE RED                     | 625           | DIFFUSED        | -                    | -         | 12  | 30          | 35                             | 3HD12V-F |
| ELM5XXX3RC12V | RED                        | 700           | WATER CLEAR     | -                    | -         | 12  | 6           | 20                             | 3RC12V-F |
| ELM5XXX3RD12V | RED                        | 700           | DIFFUSED        | -                    | -         | 12  | 2           | 35                             | 3RD12V-F |
| ELM5XXX3YC12V | YELLOW                     | 590           | WATER CLEAR     | -                    | -         | 12  | 40          | 20                             | 3YC12V-F |
| ELM5XXX3YD12V | YELLOW                     | 590           | DIFFUSED        | -                    | -         | 12  | 25          | 35                             | 3YD12V-F |

|                                                                                |  |                                                                                       |  |                                                                                                                                                                 |  |
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| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> |  | ANGULAR<br>X° ± 5°                                                                    |  | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |  |
|                                                                                |  |  |  | TITLE: EXTRUDED VERTICAL T-1 (3mm)<br>LED STANDARD PROFILE SPACER ASSY                                                                                          |  |
| DESIGNED:<br>Minh Doan                                                         |  | DATE:<br>07/27/12                                                                     |  | PART NO: ELM5XXX3XX                                                                                                                                             |  |
| CHECKED:<br>T. Yin                                                             |  | DATE:<br>07/27/12                                                                     |  | REVISION: R                                                                                                                                                     |  |
|                                                                                |  |                                                                                       |  | CAGE CODE : 32559                                                                                                                                               |  |
|                                                                                |  |                                                                                       |  | SHEET # 4 OF 5                                                                                                                                                  |  |
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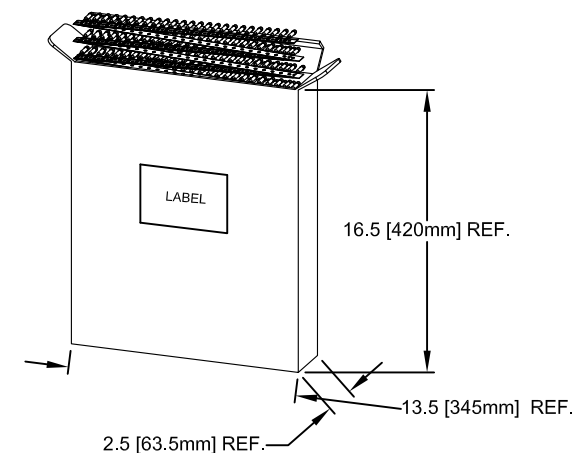
| REV. | DESCRIPTION  | DATE | APPROVED |
|------|--------------|------|----------|
|      | SEE SHEET #1 |      |          |
|      |              |      |          |
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|      |              |      |          |
|      |              |      |          |
|      |              |      |          |



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><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |                       |
| DECIMALS                                             | ANGULAR                  |                                                                                         |                       |
| .X ± .1                                              | X° ± 1°                  | <b>TITLE:</b> EXTRUDED VERTICAL T-1 (3mm)<br>LED NARROW SPACER PROFILE ASSY             |                       |
| .XX ± .02                                            |                          |                                                                                         |                       |
| .XXX ± .010                                          |                          | <b>PART NO:</b> ELM5XXX3XX                                                              |                       |
|                                                      |                          |                                                                                         |                       |
| DESIGNED:<br><b>Ty Yin</b>                           | DATE:<br><b>03/10/04</b> | <b>REVISION:</b> R                                                                      |                       |
| CHECKED:<br><b>D. Green</b>                          | DATE:<br><b>03/10/04</b> |                                                                                         |                       |
|                                                      |                          | <b>CAGE CODE :</b> 32559                                                                | <b>SHEET # 5 OF 5</b> |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.      |                          |                                                                                         |                       |