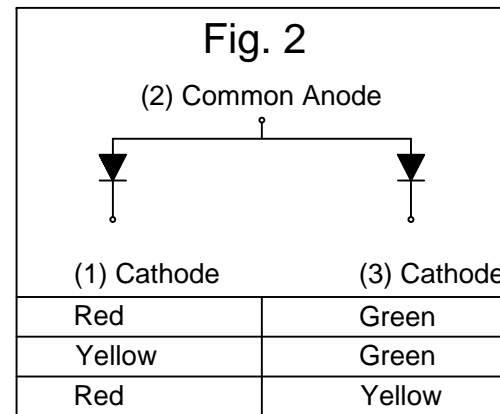
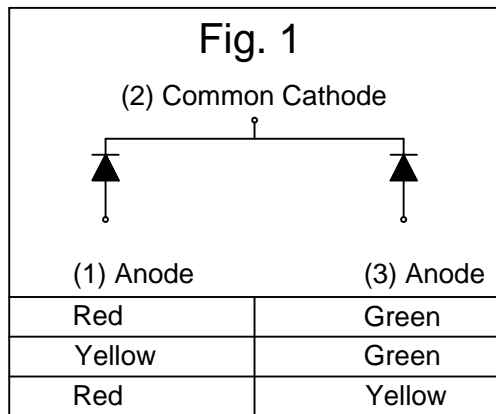
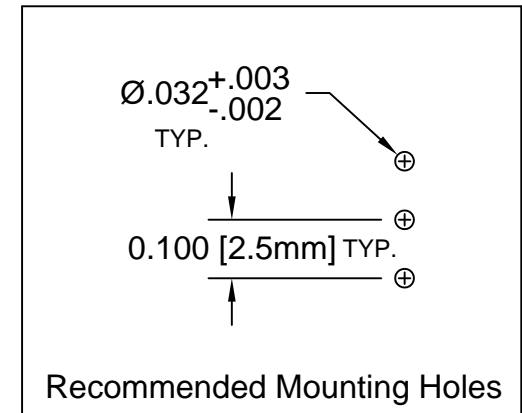
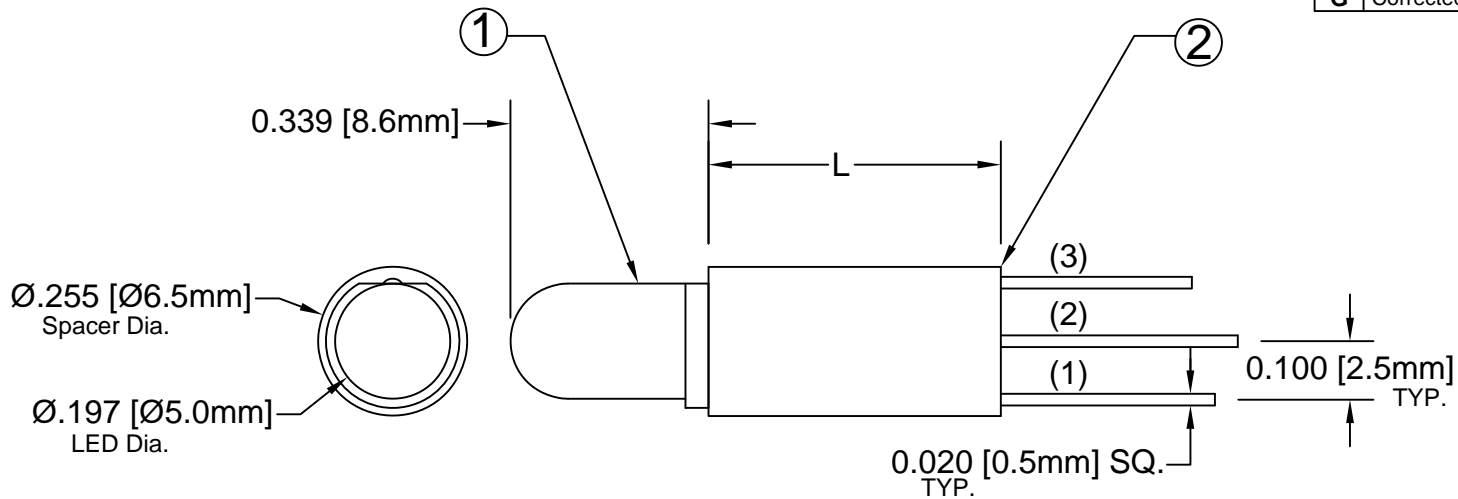


| ITEM | Q'TY | PART NUMBER  | PART DESCRIPTION                              |
|------|------|--------------|---|
| 1    | 1    | 5BC-3-XXXX-F | T-1¼ (5mm) Bi-Color/Tri-Color LED, See Page 2 |
| 2    | 1    | ELM 3-XXX    | Extruded, Self-Retaining LED Spacer           |

| REV. | DESCRIPTION                             | DATE     | APPROVED |
|------|---|----------|----------|
| C    | Removed Tolerance Note.                 | 09/03/08 | M. C.    |
| D    | Corrected P/N Typo in BOM.              | 09/25/13 | M. C.    |
| E    | Removed P/N and Update Figure Drawings. | 03/17/15 | J. C.    |
| F    | Engineering Update w/o Changes          | 05/24/16 | J. C.    |
| G    | Corrected LED Assembly Number Last Line | 05/31/17 | T. N.    |




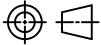
## ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

|   |                      |
|---|----------------------|
| 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) |                          | BIVAR®   |                       |
|--|--------------------------|--|-----------------------|
| DECIMALS   | ANGULAR                  | 4 THOMAS, IRVINE, CA. 92618  |                       |
| .X ± .1  | X° ± 1°                  | TEL: (949) 951-8808 FAX: (949) 951-3974  |                       |
| .XX ± .02  |                          | <b>TITLE:</b> EXTRUDED VERTICAL T-1¼ (5mm)<br>LED STANDARD SPACER PROFILE ASSY |                       |
| .XXX ± .010  |                          |  |                       |
| DESIGNED:<br><b>T. Yin</b>                         | DATE:<br><b>03/05/04</b> | <b>PART NO:</b><br><b>ELM3XXX5BCXX</b>   | REVISION:<br><b>G</b> |
| CHECKED:<br><b>D. Green</b>                        | DATE:<br><b>03/05/04</b> | <b>CAGE CODE :</b> 32559   | <b>SHEET #</b> 1 OF 2 |
| CAD GENERATED DOCUMENT. DO NOT MEASURE DRAWING.    |                          |  |                       |

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

| LED Assembly No.            | Peak Wavelength Length $\lambda_p$ (nm) | Emitted Color | Lens Appearance | Abs. Max. Rating | Electro-Optical Data @ 20mA |        |      | Viewing Angle 2 $\theta$ 1/2 (Deg) | LED P/N        |          |
|-----------------------------|---|---------------|-----------------|------------------|-----------------------------|--------|------|------------------------------------|----------------|----------|
|                             |   |               |                 |                  | If (mA)                     | Vf (V) |      |                                    |                | Iv (mcd) |
|                             |   |               |                 |                  |                             | TYP    | MAX  |                                    |                | TYP      |
| ELM3XXX5BC-3<br>(FIG. 1)    | 635                                     | HE RED        | WHITE DIFFUSED  | 30               | 2.0                         | 2.6    | 35.0 | 40                                 | 5BC-3-F        |          |
|                             | 568                                     | GREEN         |                 | 30               | 2.2                         | 2.6    | 35.0 |                                    |                |          |
| ELM3XXX5BC-3-YG<br>(FIG. 1) | 585                                     | YELLOW        | WHITE DIFFUSED  | 30               | 2.1                         | 2.6    | 30.0 | 40                                 | 5BC-3-Y/G-F    |          |
|                             | 568                                     | GREEN         |                 | 30               | 2.2                         | 2.6    | 35.0 |                                    |                |          |
| ELM3XXX5BC3CA<br>(FIG. 2)   | 635                                     | HE RED        | WHITE DIFFUSED  | 30               | 2.0                         | 2.6    | 35.0 | 40                                 | 5BC-3-CA-F     |          |
|                             | 568                                     | GREEN         |                 | 30               | 2.2                         | 2.6    | 35.0 |                                    |                |          |
| ELM3XXX5BC3YGCA<br>(FIG. 2) | 585                                     | YELLOW        | WHITE DIFFUSED  | 30               | 2.1                         | 2.6    | 30.0 | 40                                 | 5BC-3-Y/G-CA-F |          |
|                             | 568                                     | GREEN         |                 | 30               | 2.2                         | 2.6    | 35.0 |                                    |                |          |

|  |                          |   |  |   |
|--|--------------------------|---|--|---|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br>$\pm 10\%$ ALL VALUES    ANGULAR |                          | <br><b>BIVAR</b> <sup>®</sup><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808    FAX: (949) 951-3974 |  |   |
|     |                          |   |  | <b>TITLE:</b> EXTRUDED VERTICAL T-1 $\frac{1}{4}$ (5mm)<br>LED STANDARD SPACER PROFILE ASSY |
| DESIGNED:<br><b>T. Yin</b>   | DATE:<br><b>03/05/04</b> | <b>PART NO:</b><br>ELM3XXX5BCXX   |  | REVISION:<br><b>G</b>   |
| CHECKED:<br><b>D. Green</b>  | DATE:<br><b>03/05/04</b> | <b>CAGE CODE :</b> 32559  |  | <b>SHEET # 2 OF 2</b>   |
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