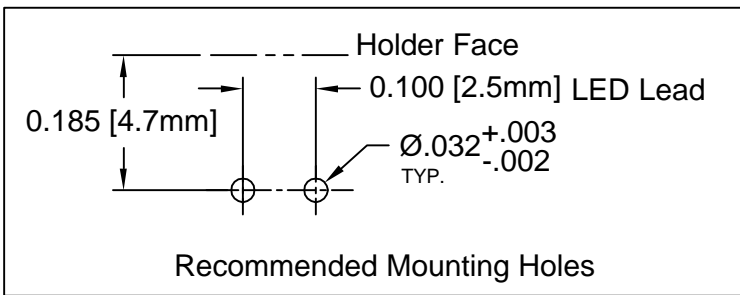
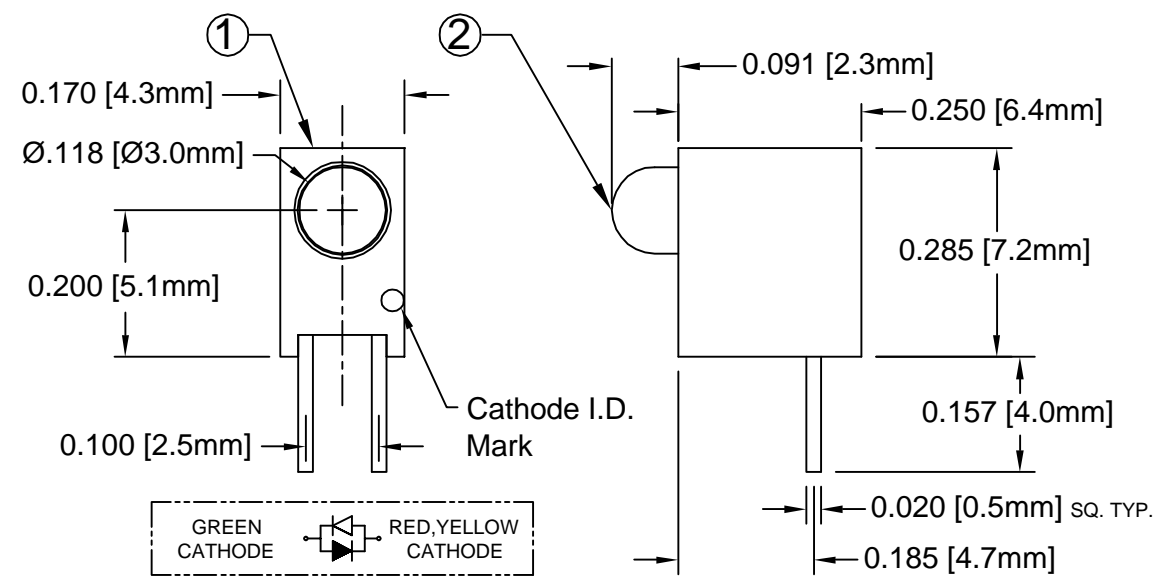


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                            |
|------|------|-------------|---|
| 1    | 1    | H-101C      | T-1 (3mm) LED Holder, 90° Mount             |
| 2    | 1    | 3BC-XX      | T-1 (3mm) N-Flange Bi-Color LED, See Page 2 |

| REV. | DESCRIPTION                    | DATE     | APPROVED |
|------|--------------------------------|----------|----------|
| A    | Engineering Update w/o Changes | 03/05/04 | M. C.    |
|      |                                |          |          |
|      |                                |          |          |
|      |                                |          |          |



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

|   |       |                      |
|---|-------|----------------------|
| REVERSE VOLTAGE                             | _____ | 5V                   |
| REVERSE CURRENT                             | _____ | 100µA                |
| OPERATING TEMPERATURE RANGE                 | _____ | -40° C - 80° C       |
| STORAGE TEMPERATURE                         | _____ | -40° C - 100° C      |
| LEAD SOLDERING TEMPERATURE(1/16" FROM BODY) | _____ | 260° C FOR 5 SECONDS |

|  |                          |
|--|--------------------------|
| STANDARD TOLERANCE<br>(UNLESS OTHERWISE SPECIFIED) |                          |
| DECIMALS   | ANGULAR                  |
| .X ±.1   | X° ±1°                   |
| .XX ±.02   |                          |
| .XXX ±.010   |                          |
| DESIGNED:<br><b>Shane Irving</b>                   | DATE:<br><b>03/05/04</b> |
| CHECKED:<br><b>A. Vilgiate</b>                     | DATE:<br><b>03/05/04</b> |

**BIVAR**<sup>®</sup>  
 4 THOMAS, IRVINE, CA. 92618  
 TEL: (949) 951-8808 FAX: (949) 951-3974

**TITLE:** T-1 (3MM) BI-COLOR  
90° SINGLE-LEVEL LED ASSY

**PART NO:** H101CBC-XX

**REVISION:** A

**CAGE CODE :** 32559 **SHEET #** 1 **OF** 2

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 | Abs. Max. Rating | Electro-Optical Data @ 20ma |      |             | Viewing Angle<br>$2\theta \pm \frac{1}{2}$<br>(Deg) | LED P/N |
|---------------|--------------------------------------|---------------|-----------------|------------------|-----------------------------|------|-------------|---|---------|
|               |                                      |               |                 | If<br>(mA)       | Vf<br>(V)                   |      | Iv<br>(mcd) |   |         |
|               |                                      |               |                 |                  | Typ.                        | Max. | Typ.        |   |         |
| H101CBC       | 635                                  | HE RED        | WHITE DIFFUSED  | 30               | 2.0                         | 2.6  | 30.0        | 45  | 3BC     |
|               | 568                                  | GREEN         |                 | 30               | 2.2                         | 2.6  | 30.0        |   |         |
| H101CBC-Y/G   | 585                                  | YELLOW        | WHITE DIFFUSED  | 30               | 2.1                         | 2.6  | 15.0        | 45  | 3BC-Y/G |
|               | 568                                  | GREEN         |                 | 30               | 2.2                         | 2.6  | 30.0        |   |         |

|  |                          |  |                       |
|--|--------------------------|--|-----------------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> <u>ANGULAR</u><br>X° ± 5° |                          | <b>BIVAR</b> <sup>®</sup><br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808    FAX: (949) 951-3974 |                       |
|  |                          | TITLE: T-1 (3MM) BI-COLOR<br>90° SINGLE-LEVEL LED ASSY   |                       |
| DESIGNED:<br><b>Ty Yin</b>   | DATE:<br><b>03/05/04</b> | PART NO:<br><b>H101CBC-XX</b>  | REVISION:<br><b>A</b> |
| CHECKED:<br><b>D. Green</b>  | DATE:<br><b>03/05/04</b> | CAGE CODE : <b>32559</b>   | SHEET # <b>2 OF 2</b> |
| CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.  |                          |  |                       |