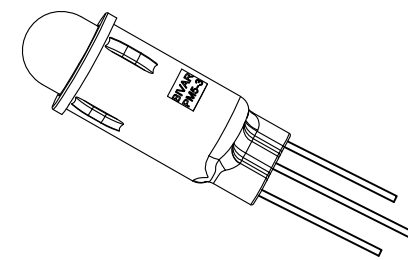
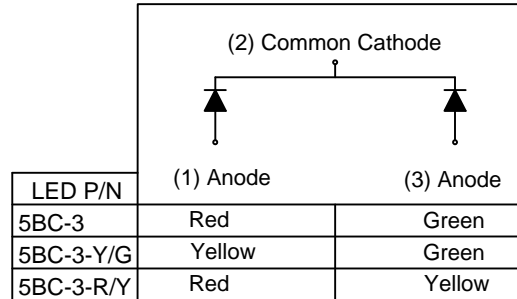
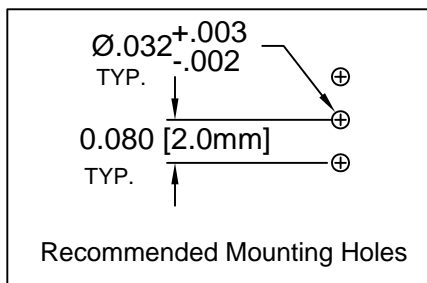
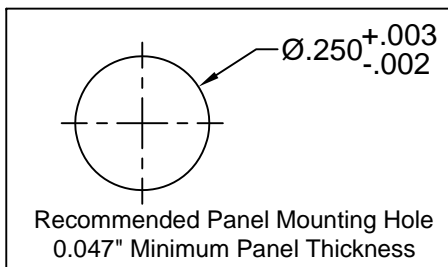
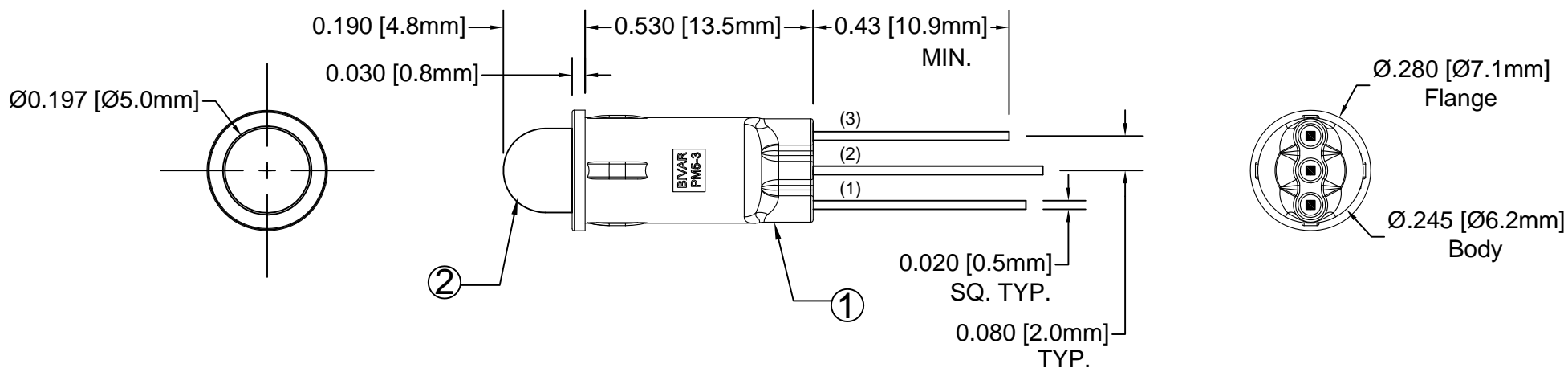


| ITEM | Q'TY | PART NUMBER | PART DESCRIPTION                                      |
|------|------|-------------|---|
| 1    | 1    | PM5-3       | LED Holder, 3-Lead Panel Mount, Press Fit, 5mm        |
| 2    | 1    | 5BC-3-XX    | T1 ¼ (5mm) 3-Lead Shouldered Bi-Color LED, See Page 2 |

| REV. | DESCRIPTION                           | DATE     | APPROVED |
|------|---------------------------------------|----------|----------|
| A    | Engineering Release                   | 12/02/08 | T. Y.    |
| B    | Updated Recommended Mounting Hole     | 07/13/09 | T. Y.    |
| C    | Updated 5BC-3 LED on Polarity Diagram | 09/01/09 | T. Y.    |
| D    | Added Optical/Electrical Data         | 05/21/15 | J. C.    |
| E    | Engineering Update w/o Changes        | 08/14/16 | J. C.    |



EXAMPLE:  
PM53 - BC

Emitted Colors

3-Lead Panel Mount Series

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

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

REVERSE CURRENT (VR=5V) \_\_\_\_\_ 100µA

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


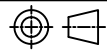
STORAGE TEMPERATURE \_\_\_\_\_ -30°C ~ 100°C

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

| STANDARD TOLERANCE (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> T1 ¼ (5mm) PANEL MOUNT ASSEMBLY, 3-LEAD BI-COLOR |  |
| .XXX ± .010                                     |                       | <b>PART NO:</b> PM53-XX  |  |
| DESIGNED: <b>B. Oliver</b>                      | DATE: <b>12/02/08</b> | REVISION: <b>E</b>   |  |
| CHECKED: <b>F. Jensen</b>                       | DATE: <b>12/02/08</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 |      |          |
|      |              |      |          |

| Assy P/N | Chip      |                             |               | Lens Appearance | Electro-Optical Data @ 20mA |           |     |             | Viewing Angle<br>2θ ½<br>(Deg) | LED P/N   |     |
|----------|-----------|-----------------------------|---------------|-----------------|-----------------------------|-----------|-----|-------------|--------------------------------|-----------|-----|
|          | Material  | Peak Wave Length<br>λp (nm) | Emitted Color |                 | If<br>(mA)                  | Vf<br>(V) |     | Iv<br>(mcd) |                                |           |     |
|          |           |                             |               |                 |                             | MAX       | TYP | MAX         |                                |           | TYP |
| PM53-BC  | GaAsP/GaP | 625                         | RED           | WHITE DIFFUSED  | 30                          | 2.0       | 2.8 | 35          | 40                             | 5BC-3     |     |
|          | GaP/GaP   | 568                         | GREEN         |                 | 30                          | 2.1       | 2.8 | 35          |                                |           |     |
| PM53-YG  | GaAsP/GaP | 590                         | YELLOW        | WHITE DIFFUSED  | 30                          | 2.0       | 2.8 | 30          | 40                             | 5BC-3-Y/G |     |
|          | GaP/GaP   | 568                         | GREEN         |                 | 30                          | 2.1       | 2.8 | 35          |                                |           |     |
| PM53-RY  | GaAsP/GaP | 625                         | RED           | WHITE DIFFUSED  | 30                          | 2.0       | 2.8 | 35          | 40                             | 5BC-3-R/Y |     |
|          | GaAsP/GaP | 590                         | YELLOW        |                 | 30                          | 2.0       | 2.8 | 30          |                                |           |     |

|   |                          |   |  |   |
|---|--------------------------|---|--|---|
| STANDARD TOLERANCE<br>(UNLESS OTHERWISE SPECIFIED)<br>DECIMALS                      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> T1 ¼ (5mm) PANEL MOUNT<br>ASSEMBLY, 3-LEAD BI-COLOR |
| DESIGNED:<br><b>B. Oliver</b>   | DATE:<br><b>12/02/08</b> | <b>PART NO:</b><br><b>PM53-XX</b>   |  | REVISION:<br><b>E</b>   |
| CHECKED:<br><b>F. Jensen</b>  | DATE:<br><b>12/02/08</b> | <b>CAGE CODE : 32559</b>  |  | <b>SHEET # 2 OF 2</b>   |
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