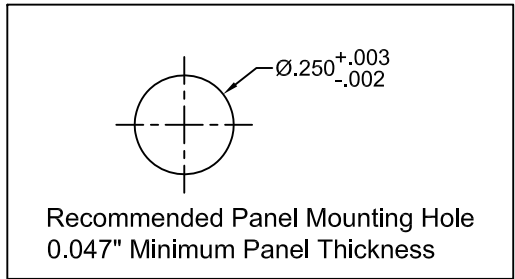
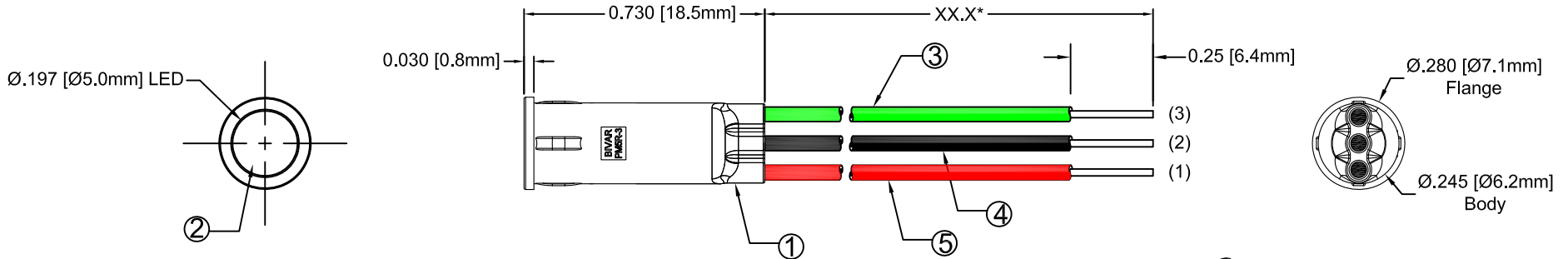
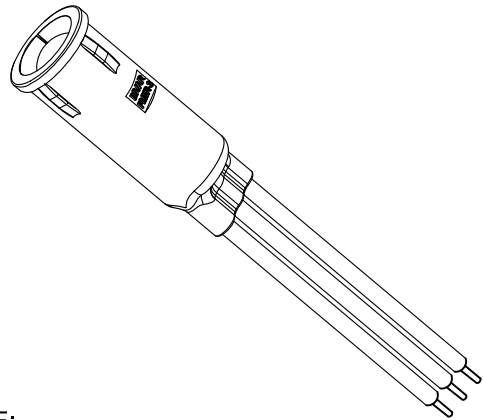


| ITEM | Q'TY | PART NUMBER   | PART DESCRIPTION                                 |
|------|------|---------------|--------------------------------------------------|
| 1    | 1    | PM5R-3        | LED Holder, 3-Lead Panel Mount, Press Fit, (5mm) |
| 2    | 1    | 5BC-3-XX      | T1 ¼ (5mm) 3-Lead Shouldered LED, See Page 2.    |
| 3    | 1    | BWS24-1061-GN | 24AWG Wire Lead U.L. 1061, Green                 |
| 4    | 1    | BWS24-1061-BK | 24AWG Wire Lead U.L. 1061, Black                 |
| 5    | 1    | BWS24-1061-RD | 24AWG Wire Lead U.L. 1061, Red                   |

| REV. | DESCRIPTION                           | DATE     | APPROVED |
|------|---------------------------------------|----------|----------|
| A    | Engineering Release                   | 12/02/08 | T. Y.    |
| B    | Updated 5BC-3 LED on Polarity Diagram | 09/01/09 | T. Y.    |
| C    | Added Optical/ Electrical Data        | 05/21/15 | J. C.    |
|      |                                       |          |          |



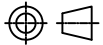
| LED P/N   | (2) Common Cathode Black Wire |                      |
|-----------|-------------------------------|----------------------|
|           | (1) Anode Red Wire            | (3) Anode Green Wire |
| 5BC-3     | Red                           | Green                |
| 5BC-3-Y/G | Yellow                        | Green                |
| 5BC-3-R/Y | Red                           | Yellow               |



EXAMPLE:  
**PM5R3 - BC W12.5**  
 XX.X = Wire Length "XX.X"  
 Emitted Colors  
 3-Lead Panel Mount Series, Recessed

## 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<br>( UNLESS OTHERWISE SPECIFIED ) |                          | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808 FAX: (949) 951-3974 |                                                 |
|------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| DECIMALS                                             | ANGULAR                  |                                                                                                                                                                 |                                                 |
| .X ± .1                                              | X° ± 1°                  |  <b>TITLE:</b> T1 ¼ (5mm) PANEL MOUNT ASSEMBLY, 3-LEAD RECESSED            |                                                 |
| .XX ± .02                                            |                          |                                                                                                                                                                 |                                                 |
| .XXX ± .010                                          |                          |                                                                                                                                                                 |                                                 |
| DESIGNED:<br><b>Brian Oliver</b>                     | DATE:<br><b>12/02/08</b> | <b>PART NO:</b><br><b>PM5R3-XXWXX.X</b>                                                                                                                         | REVISION:<br><b>C</b>                           |
| CHECKED:<br><b>F. Jensen</b>                         | DATE:<br><b>12/02/08</b> | <b>CAGE CODE :</b> 32559 <b>SHEET # 1 OF 2</b>                                                                                                                  | CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING. |

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

| Assy. Part 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      |                                 |           |
| PM5R3-BCWXX.X  | GaAsP/GaP | 625nm            | RED           | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 35       | 40                              | 5BC-3     |
|                | GaP/GaP   | 568nm            | GREEN         |                 | 30                          | 2.1    | 2.8 | 35       |                                 |           |
| PM5R3-YGWXX.X  | GaAsP/GaP | 590nm            | YELLOW        | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 30       | 40                              | 5BC-3-Y/G |
|                | GaP/GaP   | 568nm            | GREEN         |                 | 30                          | 2.1    | 2.8 | 35       |                                 |           |
| PM5R3-RYWXX.X  | GaAsP/GaP | 625nm            | RED           | WHITE DIFFUSED  | 30                          | 2.0    | 2.8 | 35       | 40                              | 5BC-3-R/Y |
|                | GaAsP/GaP | 590nm            | YELLOW        |                 | 30                          | 2.0    | 2.8 | 30       |                                 |           |

|                                                                                               |                 |                                                                                                                                                                    |                |
|-----------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| STANDARD TOLERANCE<br>( UNLESS OTHERWISE SPECIFIED )<br><u>±10% ALL VALUES</u> <u>ANGULAR</u> |                 | <br>4 THOMAS, IRVINE, CA. 92618<br>TEL: (949) 951-8808    FAX: (949) 951-3974 |                |
|                                                                                               |                 |  <b>TITLE:</b> T1 ¾ (5mm) PANEL MOUNT<br>ASSEMBLY, 3-LEAD RECESSED            |                |
| DESIGNED:                                                                                     | DATE:           | PART NO:                                                                                                                                                           | REVISION:      |
| <b>Brian Oliver</b>                                                                           | <b>12/02/08</b> | <b>PM5R3-XXWXX.X</b>                                                                                                                                               | <b>C</b>       |
| CHECKED:                                                                                      | DATE:           | CAGE CODE : 32559                                                                                                                                                  | SHEET # 2 OF 2 |
| <b>F. Jensen</b>                                                                              | <b>12/02/08</b> | CAD GENERATED DOCUMENT, DO NOT MEASURE DRAWING.                                                                                                                    |                |