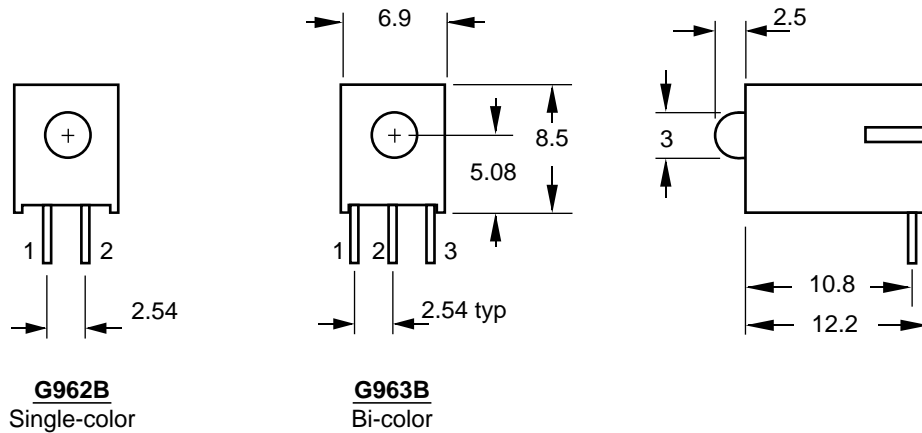


# T-1 (3 mm) Round, Single- and Bi-color PCB Mount Right Angle LED Indicator, G96XB Series



The G96B right angle indicator is primarily designed to use the three-leaded bi-color LED lamp which has pins spaced on 2.54 mm centers in a single row. It has a wide stance and its length permits the front of the holder to protrude further from the edge of the PCB. In addition to those LEDs listed, any of IDEA's 2151 series of T-1 lamps can be used in this indicator. Standard 3-leaded bi-color lamps are common cathode.



### LED Type

Tri-color—EG (Both chips on for amber)  
Bi-color—YG  
Single color—All listed

### Connections

| Pin 1 | Pin 2   | Pin 3 |
|-------|---------|-------|
| Red+  | Common- | Grn+  |
| Yel+  | Common- | Grn+  |
| Anode | Cathode |       |

Specify part desired as follows: (X = 2 for single color, tinted 2-leaded LEDs. X = 3 for 3-leaded G96XB/Order Code  
For example: "G963B/EG" designates an assembly with a red/green LED.

### ORDER CODE AND INFORMATION (ALL RATINGS AT 25°C AMBIENT)

| LED Lamp                              |              |            | Typical Characteristics |                 |                   |                       | Recom. Op. If (mA) |
|---------------------------------------|--------------|------------|-------------------------|-----------------|-------------------|-----------------------|--------------------|
| Epoxy & Type                          | Color        | Order Code | Peak $\lambda$ (nm)     | Vf (V) @If=20mA | Iv (mcd) @If=10mA | $2\Theta_{1/2}$ (Deg) |                    |
| Tinted Diffused<br>Resistor Required  | Red          | H          | 697                     | 2.1             | 1.6               | 40                    | 5-10               |
|                                       | Hi Eff Red   | I          | 635                     | 2.0             | 4.5               | 40                    | 10-20              |
|                                       | Green        | G          | 565                     | 2.1             | 4.5               | 40                    | 10-20              |
|                                       | Yellow       | Y          | 585                     | 2.0             | 4.5               | 40                    | 10-20              |
|                                       | Orange       | O          | 610                     | 2.0             | 4.5               | 40                    | 10-20              |
| Tinted Transparent<br>High Brightness | Hi Eff Red   | IT         | 635                     | 2.0             | 11                | 20                    | 10-20              |
|                                       | Green        | GT         | 565                     | 2.1             | 15                | 20                    | 10-20              |
|                                       | Yellow       | YT         | 585                     | 2.0             | 10                | 20                    | 10-20              |
| Tinted Diffused<br>For 2mA Operation  | Red          | H2         | 697                     | 2.0             | 1.2 @ 2mA         | 40                    | 2-10               |
|                                       | Hi Eff Red   | I2         | 635                     | 2.1             | 1.4 @ 2mA         | 40                    | 2-10               |
|                                       | Green        | G2         | 565                     | 2.0             | 1.2 @ 2mA         | 40                    | 2-10               |
|                                       | Yellow       | Y2         | 585                     | 2.0             | 1.2 @ 2mA         | 40                    | 2-10               |
| White Diffused<br>Bipolar, Bicolor    | Red/Green    | EG         | 635/565                 | 2.1/2.0         | 2.5/2.5           | 54                    | 10-20              |
|                                       | Yellow/Green | YG         | 585/565                 | 2.1/2.0         | 2.5/2.5           | 54                    | 10-20              |

\* Specifications subject to change without notice. Dimensions are in mm±0.25 unless stated otherwise.

IDEA, Inc., 1351 Titan Way, Brea, CA 92821 Ph:714-525-3302, 800-LED-IDEA; Fax: 714-525-3304 Catalog 995A