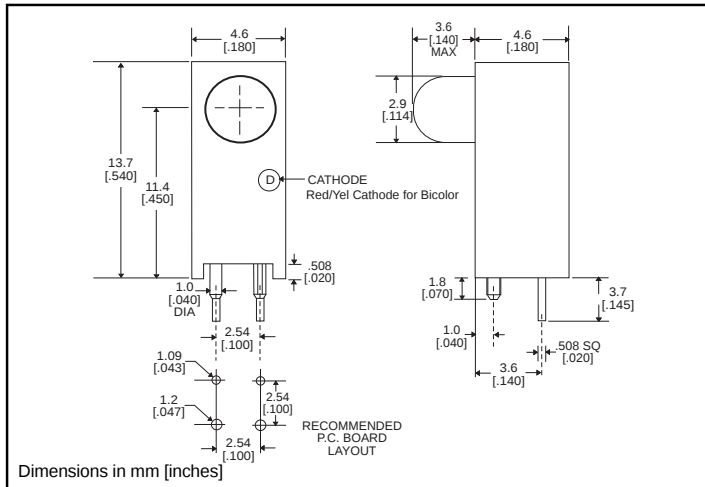


3mm

**LED CBI® Circuit Board Indicator**  
**.450" High LED Centerline**

**Dialight**

**551-xx04**



Standard Polarity shown in drawing: Cathode right

**Benefits**

- Available with a variety of LEDs
- Housing material UL94 V-0 rated
- Black housing enhances contrast
- High reliability – life measured in years
- Vibration and shock resistant
- Dual locating pins assure proper LED alignment
- Standoffs on housing facilitate PC board cleaning
- Locating pins provide stability during soldering

**LED Data**

- For absolute maximum ratings and other electrical/optical data, refer to LED data sheet.

**PART NO.**

**COLOR**

**HIGH EFFICIENCY**

|          |        |
|----------|--------|
| 551-0204 | Green  |
| 551-0304 | Yellow |
| 551-0404 | Red    |
| 551-2504 | Orange |

**INTEGRAL RESISTOR, 5V**

|          |        |
|----------|--------|
| 551-0504 | Red    |
| 551-0604 | Green  |
| 551-0704 | Yellow |

**LOW CURRENT**

|          |        |
|----------|--------|
| 551-1104 | Red    |
| 551-1204 | Yellow |
| 551-1304 | Green  |

**BI-COLOR**

|          |              |
|----------|--------------|
| 551-3004 | Red/Green    |
| 551-3104 | Yellow/Green |

To order any of the 551-xx04 part numbers with Reverse Polarity (Cathode Left), please add -010 to the part numbers shown above.

**NEW**

**PART NUMBER ORDERING CODE**

**5 5 1 - x x 0 4 - 0 1 0**

Series

LED Type

Reverse Polarity Option  
1) Cathode Left

-010 Ordering Code Suffix required ONLY for Reverse Polarity Option

Typical Operating Characteristics ( $T_A=25^{\circ}\text{C}$ )

See LED data sheet for additional information

## HIGH EFFICIENCY

| Part Number | Color  | Peak Wavelength nm | $I_V$ mcd | $V_F$ Volts | Test Current (mA) | Viewing Angle $2\Theta_{1/2}$ | LED Data sheet | Page # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 551-0204    | Green  | 563                | 16        | 2.1         | 10                | 45°                           | 521-9408       | 4-63   |
| 551-0304    | Yellow | 585                | 6.3       | 2.1         | 10                | 45°                           | 521-9428       | 4-63   |
| 551-0404    | Red    | 650                | 10        | 2           | 10                | 45°                           | 521-9427       | 4-63   |
| 551-2504    | Orange | 600                | 6.5       | 2.2         | 10                | 60°                           | 521-9498       | 4-53   |

## INTEGRAL RESISTOR, 5V

| Part Number | Color  | Peak Wavelength nm | $I_V$ mcd | Test Voltage | Forward Current (mA) | Viewing Angle $2\Theta_{1/2}$ | LED Data sheet | Page # |
|-------------|--------|--------------------|-----------|--------------|----------------------|-------------------------------|----------------|--------|
| 551-0504    | Red    | 635                | 4         | 5            | 10                   | 60°                           | 521-9215       | 4-54   |
| 551-0604    | Green  | 565                | 8         | 5            | 12                   | 60°                           | 521-9323       | 4-54   |
| 551-0704    | Yellow | 583                | 8         | 5            | 10                   | 60°                           | 521-9322       | 4-54   |

## LOW CURRENT

| Part Number | Color  | Peak Wavelength nm | $I_V$ mcd | $V_F$ Volts | Test Current (mA) | Viewing Angle $2\Theta_{1/2}$ | LED Data sheet | Page # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 551-1104    | Red    | 635                | 1.8       | 1.8         | 2                 | 50°                           | 521-9324       | 4-55   |
| 551-1204    | Yellow | 583                | 1.6       | 1.9         | 2                 | 50°                           | 521-9325       | 4-55   |
| 551-1304    | Green  | 565                | 1.6       | 1.8         | 2                 | 50°                           | 521-9326       | 4-55   |

## BI-COLOR

Bicolor data shown as red/green or yellow/green

| Part Number | Color     | Peak Wavelength nm | $I_V$ mcd | $V_F$ Volts | Test Current (mA) | Viewing Angle $2\Theta_{1/2}$ | LED Data sheet | Page # |
|-------------|-----------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 551-3004    | Red/Green | 635/565            | 5         | 2           | 10                | 50°                           | 521-9459       | 4-58   |
| 551-3104    | Yel/Green | 585/565            | 4.3/6.3   | 2.1*/2.1*   | 10                | 80°                           | 521-9478       | 4-57   |

\*  $I_F = 20\text{mA}$