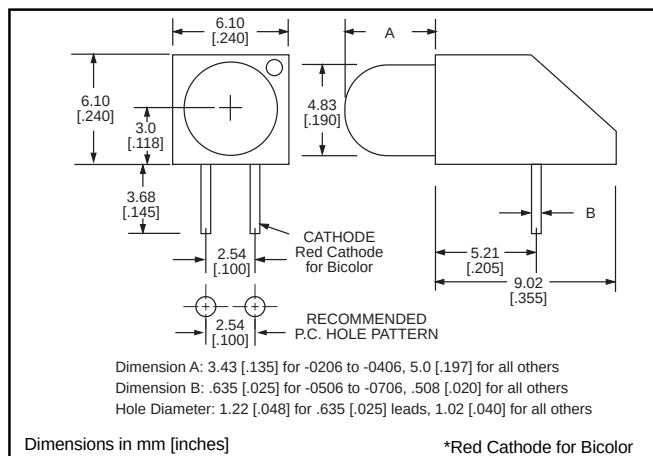


5mm

## LED CBI® Circuit Board Indicator Sloped Back Housing

**Dialight**

**550-xx06**



### Benefits

- Available with a variety of LEDs
- Housing material meets UL94 V-0
- Black housing enhances contrast
- High reliability - life measured in years
- Vibration and shock resistant
- Housing assures proper LED alignment

### Custom

- For custom LEDs contact factory.

### LED Data

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

(NOTE: 550-xx07 (pg. 6-14) includes standoffs and is recommended for replacement and new designs)

### PART NO.

#### GENERAL PURPOSE

550-0206  
550-0306  
550-0406

### COLOR

Green  
Yellow  
Red

#### INTEGRAL RESISTOR

550-0506  
550-0606  
550-0706  
550-0806

Red, 5V  
Red, 12V  
Green, 5V  
Yellow, 5V

#### LOW CURRENT

550-1106  
550-1206  
550-1306

Red  
Yellow  
Green

#### HIGH EFFICIENCY

550-2206  
550-2306  
550-2406

Green  
Yellow  
Red

#### BI-COLOR

550-3006

Red/Green

#### SUPER BRIGHT, DIFFUSED

550-5106  
550-5206  
550-5306

Red  
Green  
Yellow

#### SUPER BRIGHT, WATER CLEAR (Non-tinted, Non-diffused)

550-5506  
550-5606  
550-5706

Red  
Green  
Yellow

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

See LED data sheet for additional information

## GENERAL PURPOSE

| 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 # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 550-0206    | Green  | 565                | 12.3      | 2.1         | 20                | 60°                           | 5ND-9674       | 6-55   |
| 550-0306    | Yellow | 585                | 12.3      | 2.1         | 20                | 60°                           | 5ND-9673       | 6-55   |
| 550-0406    | Red    | 635                | 12.3      | 2           | 20                | 60°                           | 5ND-9672       | 6-55   |

## INTEGRAL RESISTOR

| Part Number | Color  | Peak Wavelength nm | $I_V$ mcd | Test Voltage | Forward Current (mA) | Viewing Angle $2\theta_{1/2}$ | LED Data sheet | Page # |
|-------------|--------|--------------------|-----------|--------------|----------------------|-------------------------------|----------------|--------|
| 550-0506    | Red    | 655                | 2         | 5            | 13                   | 60°                           | 5RD-9422       | 6-56   |
| 550-0606    | Red    | 655                | 2         | 12           | 13                   | 60°                           | 521-9262       | 6-43   |
| 550-0706    | Green  | 565                | 8         | 5            | 12                   | 60°                           | 5RD-9423       | 6-56   |
| 550-0806    | Yellow | 583                | 8         | 5            | 10                   | 60°                           | 521-9284       | 6-43   |

## 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 # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 550-1106    | Red    | 635                | 2         | 1.8         | 2                 | 50°                           | 521-9320       | 6-44   |
| 550-1206    | Yellow | 583                | 1.8       | 1.9         | 2                 | 50°                           | 521-9321       | 6-44   |
| 550-1306    | Green  | 565                | 1.8       | 1.8         | 2                 | 50°                           | 521-9327       | 6-44   |

## 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 # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 550-2206    | Green  | 563                | 10        | 2.1         | 10                | 65°                           | 5HD-9270-5     | 6-53   |
| 550-2306    | Yellow | 585                | 6.3       | 2.1         | 10                | 50°                           | 5HD-9271-5     | 6-53   |
| 550-2406    | Red    | 650                | 7         | 2.2         | 10                | 50°                           | 5HD-9269       | 6-53   |

## BI-COLOR

Bicolor data shown as red/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 # |
|-------------|-----------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 550-3006    | Red/Green | 660/565            | 90/40     | 1.8/2.1     | 20                | 60°                           | 521-9651       | 6-48   |

## SUPER BRIGHT, DIFFUSED

| 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 # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 550-5106    | Red    | 650                | 34        | 2.1         | 20                | 50°                           | 5SD-9441       | 6-57   |
| 550-5206    | Green  | 563                | 34        | 2.2         | 20                | 50°                           | 5SD-9456       | 6-57   |
| 550-5306    | Yellow | 585                | 34        | 2.2         | 20                | 50°                           | 5SD-9455       | 6-57   |

## SUPER BRIGHT, WATER CLEAR (NON-TINTED, NON-DIFFUSED)

| 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 # |
|-------------|--------|--------------------|-----------|-------------|-------------------|-------------------------------|----------------|--------|
| 550-5506    | Red    | 635                | 125       | 2.2         | 20                | 24                            | 521-9464       | 6-49   |
| 550-5606    | Green  | 565                | 120       | 2.3         | 20                | 24                            | 521-9465       | 6-49   |
| 550-5706    | Yellow | 583                | 140       | 2.2         | 20                | 24                            | 521-9466       | 6-49   |

Dialight