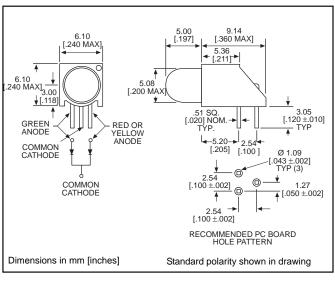
6

5mm LED CBI® Circuit Board Indicator 3 Leaded, Bi-Color, Common Cathode



550-3x07



PART NO. COLOR

550-3507 Red/Green 550-3607 Yellow/Green

To order any of the 550-3x07 part numbers with Reverse Polarity (Green Anode Right; Yellow or Red Anode Left), please add -010 to the part numbers shown above.

Features

- Common Cathode simplifies design, and the red/green LED provides yellow-orange as a third color
- Multiple CBIs form horizontal LED arrays on 6.35mm (0.250") center-lines.
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 32%
- Polymer content: PBT, 0.200 g
- Housing stand-offs facilitate PCB cleaning
- Solderability per MIL-STD-202F, method 208F
- LEDs are safe for direct viewing per IEC 825-1, EN-60825-1

Tolerance note: As noted, otherwise:

- LED Protrusion: ±0.04 mm [±0.016]
- CBI Housing: ±0.02mm[±0.008]

PART NUMBER ORDERING CODE

5 5 0 - 3 x 0 7 - 0 1 0

Reverse Polarity Option 1) Green Anode Right; Yellow or Red Anode Left

-010 Ordering Code Suffix required ONLY for Reverse Polarity Option

Typical Operating Characteristics (T_A=25°C)

See LED data sheet for additional information

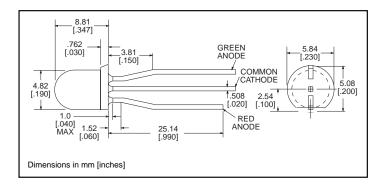
See page 6-55 and 6-56 for Reference Only LED Drive Circuit Examples. See page 6-57 for Pin Out

Part Number	Color	Peak Wavelength nm	ly mcd	V _F Volts	Test Current (mA)	Viewing Angle 2⊖ _%	LED Data sheet	Page #
550-3507	Red/Green	635/565	5/8	2.1/2.3	10	65°	521-9450	6-45
550-3607	Yellow/Green	583/565	5/8	2.1/2.1	10	65°	521-9460	6-45

5mm Discrete LED **Bi-Color** 3 Leaded, Non-Tinted, Diffused



521-9450, -9460



PART NO. LED COLOR Red/Green 521-9450

Yellow/Green 521-9460

MOUNTING CLIP: 515-0004 located on page 6-48

ABSOLUTE MAXIMUM RATINGS $(T_A=25^{\circ}C)$	Red/Green -9450	Yellow/Green -9460 135/135	
Power Dissipation (mW)	135/135		
Forward Current (mA) Derating (mA/°C) From 50°C 1. From 40°C	25/25 .5/.5	25/25 .5/.5	
Peak Current (mA) Pulse width = 10 µs	90/90	90/90	
Operating Temperature (°C)	-20/+85	-20/+85	
Storage Temperature (°C)	-55/+100	-55/+100	
Soldering Temperature	260°C, 5 seconds, 1.6 mm from case		

Solder Adherence per MIL-STD-202E, Method 208C

OPERATING CHARACTERISTICS (T _A =25°C)	Red/Green -9450	Yellow/Green -9460	
Luminous Intensity (mcd) I _F =10mA	Min. Typical	2.1/4.2 5/8	2.1/4.2 5/8
Peak Wavelength (nm) λ Peak	Typical	635/565	583/565
Viewing Angle (2Θ ½)	Typical	65°	65°
Forward Voltage (V) I _F =10mA	Typical Max.	2.1/2.3 2.5/2.7	2.1/2.1 2.5/2.5

 $[\]Theta^{\perp}$ is the off axis angle at which the luminous intensity is half the axial luminous intensity