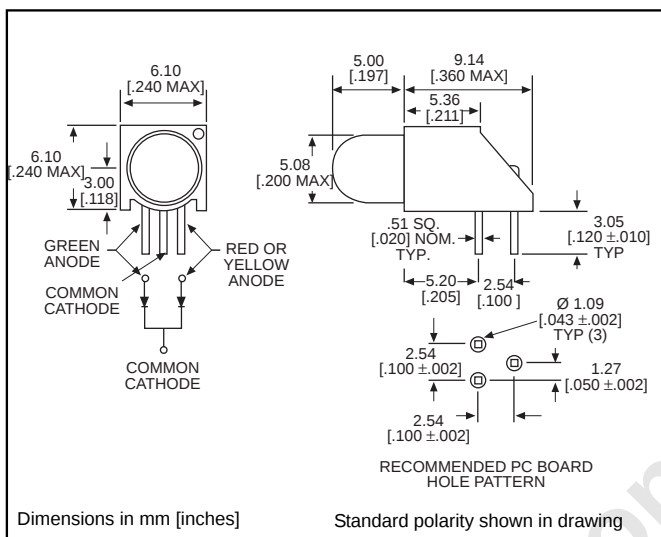


5mm

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

Dialight

550-3x07



PART NO.

550-3507

550-3607

COLOR

Red/Green

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.

NEW

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]

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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	I _v mcd	V _F Volts	Test Current (mA)	Viewing Angle 2θ°	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

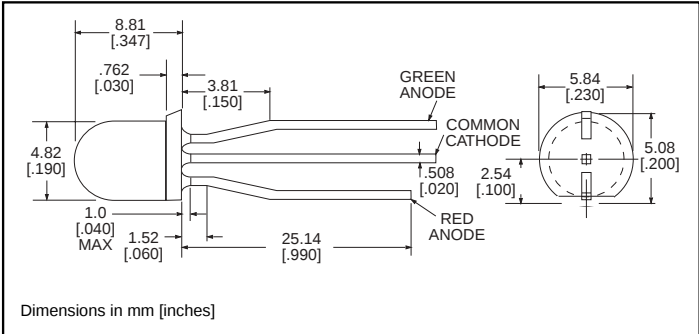
5mm Discrete LED

Bi-Color

3 Ledged, Non-Tinted, Diffused

Dialight

521-9450, -9460



PART NO.

LED COLOR

521-9450

Red/Green

521-9460

Yellow/Green

NEW

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

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

	Red/Green -9450	Yellow/Green -9460
Power Dissipation (mW)	135/135	135/135
Forward Current (mA)	25/25	25/25
Derating (mA/°C) From 50°C 1. From 40°C	.5/.5	.5/.5
Peak Current (mA)	90/90	90/90
Pulse width = 10 μs		
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)	Min.	2.1/4.2	2.1/4.2
I _F =10mA	Typical	5/8	5/8
Peak Wavelength (nm)	Typical	635/565	583/565
λ _{Peak}			
Viewing Angle (2Θ ¹)	Typical	65°	65°
Forward Voltage (V)	Typical	2.1/2.3	2.1/2.1
I _F =10mA	Max.	2.5/2.7	2.5/2.5

Θ¹ is the off axis angle at which the luminous intensity is half the axial luminous intensity

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