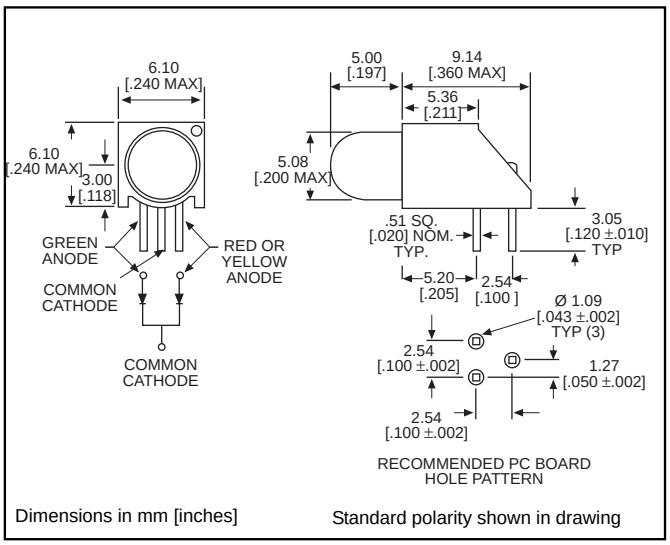
5mm
LED CBI® Circuit Board Indicator
3 Leaded, Bi-Color, Common Cathode

Dialight

550-3x07



Dimensions in mm [inches]

Standard polarity shown in drawing

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.

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]

6

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

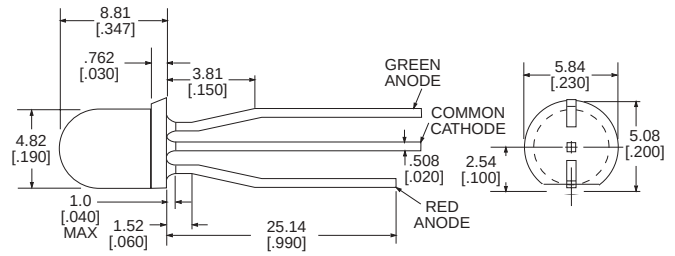
See page 6-55 and 6-56 for Reference Only LED Drive Circuit Examples. See page 6-57 for Pin Out

Part Number	Color	Peak Wavelength nm	Iv mcd	V_F Volts	Test Current (mA)	Viewing Angle 2Θ½	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

Dialight

521-9450, -9460



Dimensions in mm [inches]

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) 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

Θ ½ *is the off axis angle at which the luminous intensity is half the axial luminous intensity*