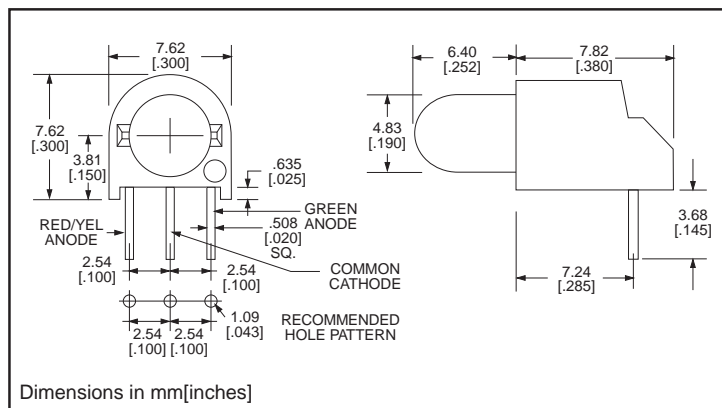


5mm

LED CBI® Circuit Board Indicator 3 Leaded, Bi-Color, In Line

Dialight

550-3x09



PART NO.

550-3509
550-3609

COLOR

Red/Green
Yellow/Green

Benefits

- Bi-color design conserves board space
- 3 leaded design simplifies drive circuitry
- Black housing enhances contrast
- Housing material UL94V-O rated
- Housing assures proper LED Alignment
- Vibration and shock resistant
- High reliability - life measured in years

LED Data

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

Application of Bi-Color LEDs

A bi-color LED can produce a wide variety of colors in the range between the 2 colors. This function is achieved by varying the bias current or duty cycle that is applied to the device anodes. The Red/Green bi-color device will typically display an orange color when the current on the red terminal is equal to the current on the green terminal. By adjusting the individual average currents, the color displayed will shift closer to the color of the die that is conducting the higher average current. A 3-leaded bi-color LED allows simplicity in drive circuitry and separate current limiting resistors.

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

See LED data sheet for additional information

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 #
550-3509	Red/Green	635/565	5/8	2.1/2.3	10	65°	5TD-9467	6-58
550-3609	Yellow/Green	583/565	5/8	2.1/2.1	10	65°	5TD-9461	6-58

Data presented as R/G or Y/G as applicable