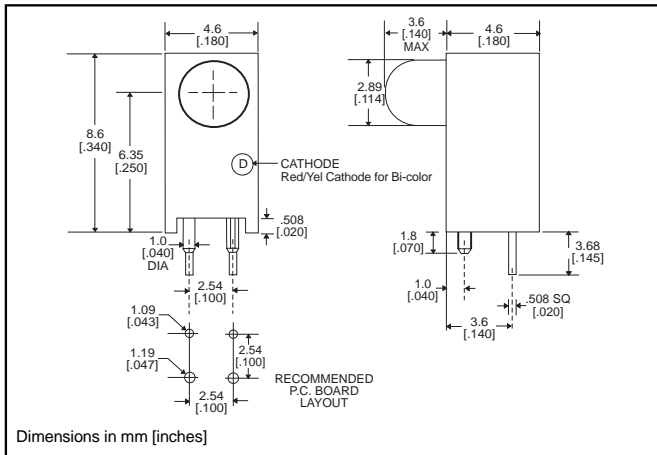


3mm

LED CBI® Circuit Board Indicator .250" High LED Centerline

Dialight

551-xx03



Standard Polarity shown in drawing: Cathode right

Features

- Multiple CBIs form horizontal LED arrays on 4.7mm (0.185") center-lines
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 31.5%
- Polymer content: PBT, 0.190 g
- Housing stand-offs facilitate PCB cleaning
- Locating pins provide stability during soldering
- 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: ± 0.02 mm [± 0.008]

PART NO.

COLOR

HIGH EFFICIENCY

551-0203	Green
551-0303	Yellow
551-0403	Red
551-2503	Orange

INTEGRAL RESISTOR, 5 VOLTS

551-0503	Red
551-0603	Green
551-0703	Yellow

LOW CURRENT

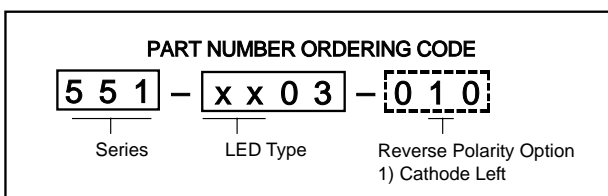
551-1103	Red
551-1203	Yellow
551-1303	Green

BI-COLOR

551-3003	Red/Green
551-3103	Yellow/Green

To order any of the 551-xx03 part numbers with Reverse Polarity (Cathode Left), please add -010 to the part numbers shown above.

4



-010 Ordering Code Suffix required ONLY for Reverse Polarity Option

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

See LED data sheet for additional information
See page 4-70 and 4-71 for Reference Only LED Drive Circuit Examples. See page 4-72 for Pin Out

HIGH EFFICIENCY

Part Number	Color	Peak Wavelength nm	I_V mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{\%}$	LED Data sheet	Page #
551-0203	Green	563	16	2.1	10	45°	521-9408	4-64
551-0303	Yellow	585	6.3	2.1	10	45°	521-9428	4-64
551-0403	Red	650	10	2	10	45°	521-9427	4-64
551-2503	Orange	600	7	2.2	10	60°	521-9498	4-58

INTEGRAL RESISTOR, 5 VOLTS

Part Number	Color	Peak Wavelength nm	I_V mcd	Test Voltage	Forward Current (mA)	Viewing Angle $2\theta_{\%}$	LED Data sheet	Page #
551-0503	Red	635	29	5	10	60°	521-9215	4-59
551-0603	Green	565	19	5	10	60°	521-9323	4-59
551-0703	Yellow	585	12.6	5	10	60°	521-9322	4-59

LOW CURRENT

Part Number	Color	Peak Wavelength nm	I_V mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{\%}$	LED Data sheet	Page #
551-1103	Red	635	1.6	1.7	2	60°	521-9324	4-60
551-1203	Yellow	585	1.6	1.8	2	60°	521-9325	4-60
551-1303	Green	565	1.6	1.9	2	60°	521-9326	4-60

BI-COLOR

Part Number	Color	Peak Wavelength nm	I_V mcd	V_F Volts	Test Current (mA)	Viewing Angle $2\theta_{\%}$	LED Data sheet	Page #
551-3003	Red/Green	635/565	4.7/10	2/2.1	10	50°	521-9459	4-63
551-3103	Yellow/Green	585/565	4.3/6.3	2.1*/2.1*	10	80°	521-9478	4-62

* $I_F = 20\text{mA}$

