Part Number: **5505207F**

General Description

Series	550
Configuration	5 mm Lens
Description	5 mm CBI
Package Options	Bulk Packaging
Sizes	5mm
Lamp Type	Single Color
Viewing	Right Angle
Polarity	Cathode Right
Lens Style	Diffused
LED Centerline	3.00

Absolute Maximum Ratings (Ta = 25°)

Forward Current mA	25mA
Derating	from 50° @ .5 mA/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55 to +100
Storage Temperature	-55 to +100

Operating Characteristics

Color	Green
LED Type	High Efficiency
Luminous Intensity Min	17
Luminous Intensity Typical	34
Test Current mA	20mA
Emitted Color	Green
Power Dissipation Max	75mW

This is a
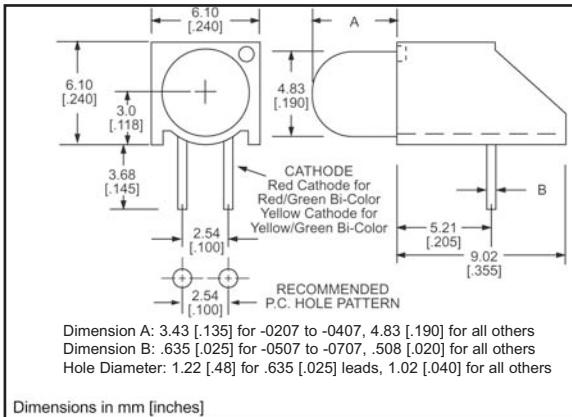RoHS Compliant Product
To learn more click here

Dialight

550 SERIES
5mm LED CBI®
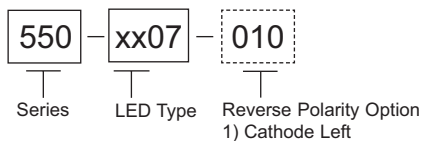## Circuit Board Indicator
Sloped Back Housing with Standoffs

▲ 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, 0.206 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

▲ Compatible with: 550-xx07 Dual Block and 550-xx07-004 Quad Block

Dimension A: 3.43 [.135] for -0207 to -0407, 4.83 [.190] for all others
Dimension B: .635 [.025] for -0507 to -0707, .508 [.020] for all others
Hole Diameter: 1.22 [.48] for .635 [.025] leads, 1.02 [.040] for all others

Dimensions in mm [inches]

Standard Polarity shown in drawing: Cathode right

PART NUMBER ORDERING CODE

550 — Series
xx07 — LED Type
010 — Reverse Polarity Option
1) Cathode Left

TOLERANCE NOTE: As noted, otherwise:
• LED Protrusion: ±0.41mm [±0.016]
• CBI Housing: +0.20mm [±0.008]

To order any of the 550-xx07 part numbers with Reverse Polarity (Cathode Left), please add -010 to the part numbers shown above.

PART NUMBER	COLOR
GENERAL PURPOSE	
550-0207	Green
550-0307	Yellow
550-0407	Red
INTEGRAL RESISTOR	
550-0507	Red, 5V
550-0707	Green, 5V
550-0807	Yellow, 5V
LOW CURRENT	
550-1107	Red
550-1207	Yellow
550-1307	Green
HIGH EFFICIENCY	
550-2207	Green
550-2307	Yellow
550-2407	Red
550-2507	Orange
BI-COLOR	
550-3007	Red/Green
550-3107	Yellow/Green
SUPER BRIGHT, DIFFUSED	
550-5107	Red
550-5207	Green
550-5307	Yellow
SUPER BRIGHT, WATER CLEAR (Non-tinted, Non-diffused)	
550-5507	Red
550-5607	Green
550-5707	Yellow