

Part Number: **5500407F**

General Description

Series	550
Configuration	5 mm Lens
Description	5 mm Red Diffused 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	40mA
Reverse Current	100 @ Vr = 5V
Derating	from 25° @ .5 mA/°C
Solder Temperature	260° for 5 sec
Operating Temperature	-55 to +100
Storage Temperature	-55 to +100



This is a
RoHS Compliant Product
[To learn more click here](#)

Operating Characteristics

Color	 Red
LED Type	Standard Efficiency
Luminous Intensity Min	3.5
Luminous Intensity Typical	12.3
Test Current mA	20mA
Emitted Color	Red
Power Dissipation Max	80mW

Dialight

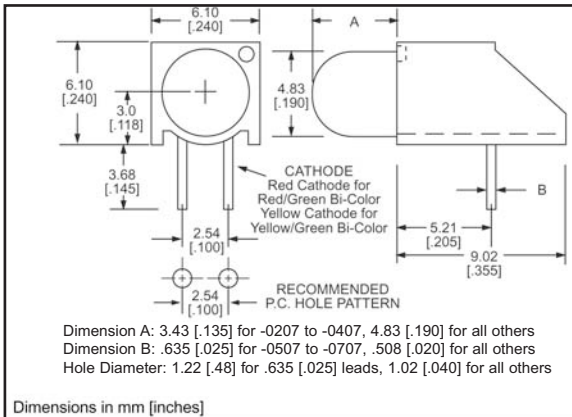
550 SERIES

5mm LED CBI®

Circuit Board Indicator Sloped Back Housing with Standoffs

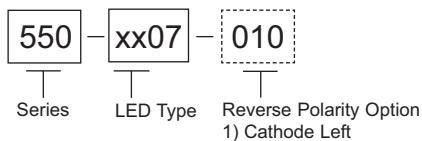
FEATURES / BENEFITS

- ▲ 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



Standard Polarity shown in drawing: Cathode right

PART NUMBER ORDERING CODE



TOLERANCE NOTE: As noted, otherwise:

- LED Protrusion: $\pm 0.41\text{mm}$ [± 0.016]
- CBI Housing: $+0.20\text{mm}$ [± 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



A4703



ISO 9001

Dialight Corporation