

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

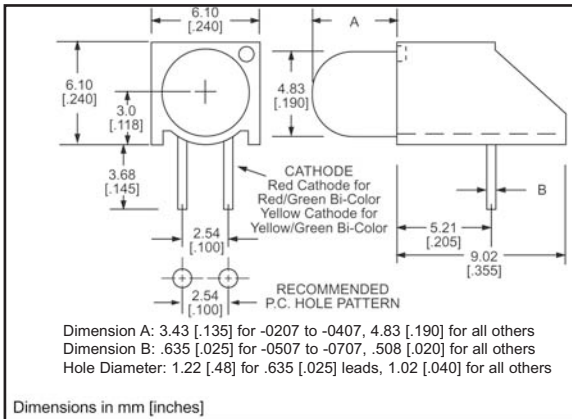
## 550 SERIES

### 5mm LED CBI®

### Circuit Board Indicator Sloped Back Housing with Standoffs

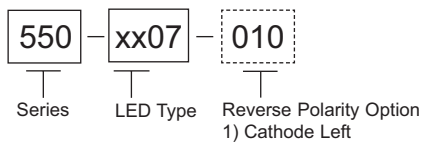
## FEATURES / BENEFITS

- ▲ 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:  $\pm 0.41\text{mm}$  [ $\pm 0.016$ ]
- CBI Housing:  $+0.20\text{mm}$  [ $\pm 0.008$ ]

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



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ISO 9001

Dialight Corporation

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