

Part Number: **5505707F**


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 | Non-Diffused |
| LED Centerline | 3.00 |

Absolute Maximum Ratings (Ta = 25°)

| | |
|-----------------------|----------------------|
| Forward Current mA | 20mA |
| Derating | from 50° @ 1.6 mW/°C |
| Solder Temperature | 260° for 5 sec |
| Operating Temperature | -55 to +100 |
| Storage Temperature | -55 to +100 |

Operating Characteristics

| | |
|----------------------------|--|
| Color |  Yellow |
| LED Type | High Efficiency |
| Luminous Intensity Min | 80 |
| Luminous Intensity Typical | 140 |
| Test Current mA | 20mA |
| Emitted Color | Yellow |
| Power Dissipation Max | 85mW |



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

Dialight

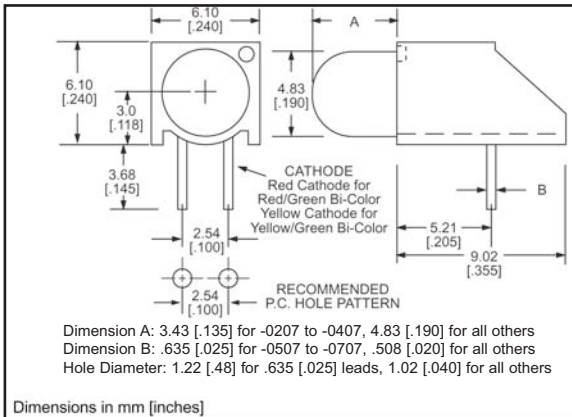
550 SERIES

5mm LED CBI®

Circuit Board Indicator Sloped Back Housing with Standoffs

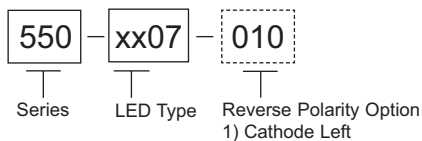
FEATURES / BENEFITS

- ▲ 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