

Part Number: **5552003F**


General Description

| | |
|-----------------|--|
| Series | 555 |
| Configuration | 2 mm Lens |
| Description | 2 mm Red 5V Integral Resistor Single CBI |
| Package Options | Bulk Packaging |
| Sizes | 2mm |
| Lamp Type | Single Color |
| Viewing | Right Angle |
| Polarity | Cathode Right |
| Lens Style | Non-Diffused |

Absolute Maximum Ratings (Ta = 25°)

| | |
|-----------------------|----------------|
| Solder Temperature | 260° for 5 sec |
| Operating Temperature | -40 to +85 |
| Storage Temperature | -55 to +100 |

Operating Characteristics

| | |
|----------------------------|---|
| Color |  Red |
| Luminous Intensity Min | 1 |
| Luminous Intensity Typical | 2.2 |
| Test Current mA | 5V |
| Emitted Color | Red |

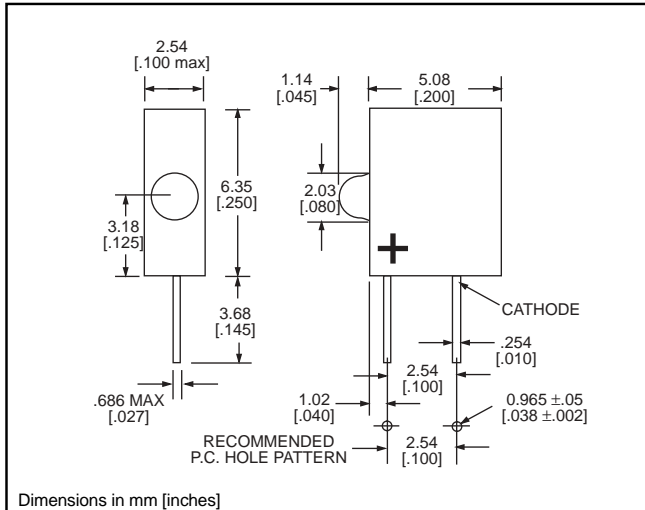


This is a
RoHS Compliant Product
To learn more click here

2mm
LED CBI® Circuit Board Indicator
Single



555-2xxx



PART NO.

COLOR

GENERAL PURPOSE

| | |
|----------|--------|
| 555-2001 | Red |
| 555-2301 | Green |
| 555-2401 | Yellow |

INTEGRAL RESISTOR, VARIOUS VOLTAGES

| | |
|----------|------------|
| 555-2003 | Red, 5V |
| 555-2007 | Red, 5V |
| 555-2008 | Red, 24V |
| 555-2009 | Red, 5V |
| 555-2303 | Green, 5V |
| 555-2403 | Yellow, 5V |

Features

- Multiple CBIs form horizontal LED arrays on 2.54mm (0.100") center-lines
- High Contrast, UL 94 V-0 rated, black housing
- Oxygen index: 31.5%
- Polymer content: PBT, 0.079 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: 555-4xxx Quad Block

Tolerance note: As noted, otherwise:

- LED Protrusion: ±0.04 mm [±0.016]
- CBI Housing: ±0.02mm[±0.008]

Typical Operating Characteristics (T_A = 25°C)

See LED data sheet for additional information

GENERAL PURPOSE

See Page 3-17 and 3-18 for Reference Only LED Drive Circuit Examples

See Page 3-19 for Pin Out

| Part Number | Color | Peak Wavelength nm | I _v mcd | V _F Volts | Test Current (mA) | Viewing Angle 2Θ _{1/2} | LED Data sheet | Page # |
|-------------|--------|--------------------|--------------------|----------------------|-------------------|---------------------------------|----------------|--------|
| 555-2001 | Red | 650 | 1.2 | 1.6 | 20 | 40° | 2ND-9412 | 3-14 |
| 555-2301 | Green | 565 | 1 | 2.4 | 20 | 40° | 2ND-9414 | 3-14 |
| 555-2401 | Yellow | 583 | 2 | 2.2 | 20 | 40° | 2ND-9416 | 3-14 |

INTEGRAL RESISTOR, VARIOUS VOLTAGES

| Part Number | Color | Peak Wavelength nm | I _v mcd | I _F mA | Test Voltage | Viewing Angle 2Θ _{1/2} | LED Data sheet | Page # |
|-------------|--------|--------------------|--------------------|-------------------|--------------|---------------------------------|----------------|--------|
| 555-2003 | Red | 650 | 1.9 | 6 | 5 | 40° | 2RD-9614 | 3-15 |
| 555-2007 | Red | 650 | .9 | 3 | 5 | 40° | 2RD-9613 | 3-15 |
| 555-2008 | Red | 650 | .9 | 3 | 24 | 40° | 2RD-9623 | 3-16 |
| 555-2009 | Red | 650 | .6 | 1 | 5 | 40° | 2RD-9618 | 3-15 |
| 555-2303 | Green | 565 | 2.5 | 4.7 | 5 | 40° | 2RD-9615 | 3-15 |
| 555-2403 | Yellow | 583 | 2.1 | 4.7 | 5 | 40° | 2RD-9616 | 3-15 |

