

◆ Home > 5593001007F

Part Number: **5593001007F**

General Description

| | |
|-----------------------|---|
| Color | Bi-Color (Red and Green) |
| Series | 559 |
| Configuration | Snap-In Bi-Color PMI |
| Description | Red/Grn. Snap-In LED, .250" Mounting Hole Indicator |
| Housing | Black PBT, UL94V-0 |
| Lamp Type | Bi-Color |
| LED Type | 2 Leaded Bi-Color Snap-In LED |
| Mounting Method | Snap In |
| Compliance | Front of Panel, UL94V-0 |
| Termination | 24 AWG, 14" Wire Lead |
| Mounting Hole Size | .250" |
| Panel Thickness | 0.031" - 0.062" |
| Diffused | Non-Diffused |
| Voltage | 1.8/2.1 VDC |
| Operating Temperature | -20 +85 |
| Storage Temperature | -55 +100 |

Dialight

559 Series 2 & 3 Leaded Bicolor Snap-in LED - .250" Mounting Hole Panel Mount Indicators



FEATURES / BENEFITS

- ▲ RoHS compliant
- ▲ Long life - typically 100K hours
- ▲ Low power consumption - uses up to 90% less energy than an incandescent indicator
- ▲ Front panel snap-in mounting requires no additional hardware
- ▲ No heat generated
- ▲ Resistant to shock and vibration
- ▲ Available in both 2 or 3 leaded versions
- ▲ Termination - straight terminals for wire wrapping or lead wire for soldering or optional terminals
- ▲ Colors include - red/green and yellow /green
- ▲ Three leaded version allows for additional color variations

APPLICATIONS

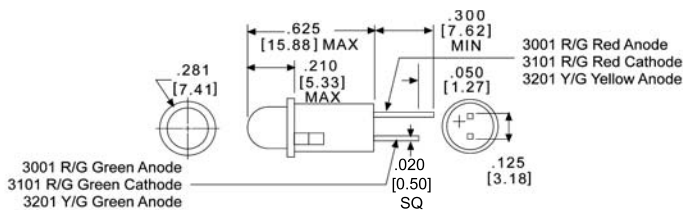
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors. These indicators are designed for a variety of applications such as:

- Main and remote power indication
- Maintenance and warning indication
- Status indication
- Instrumentation
-and many more!

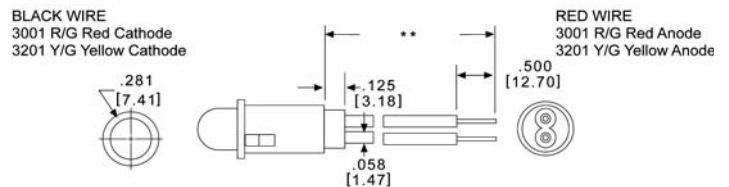
SPECIFICATIONS

- ▲ Voltage requirements:
1.6 - 2.3 VDC typical (current limiting resistor required)
- ▲ Mounting hole size: 0.249 - 0.252" (6.32 - 6.40 mm)
- ▲ Panel thickness: 0.031 - 0.062" (.787 - 1.57 mm)
- ▲ Housing: Black housing material meets UL94V-0 and enhances LED contrast
- ▲ *Operating temperature: -20°C to +85°C
- ▲ *Storage temperature: -55°C to +100°C
- ▲ Electrical connection
Straight terminals for wire wrapping or either 6 or 14 inch 24 AWG lead wire
- ▲ 3 leads - common cathode

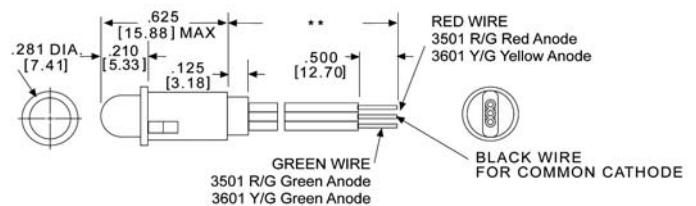
STRAIGHT TERMINALS - TERMINATION OPTION 001



**24 AWG 6" WIRE LEADS - TERMINATION OPTION 003 **24 AWG 14" WIRE LEADS - TERMINATION OPTION 007



BICOLOR: 559-3501-00X and 559-3601-00X ONLY 3 LEADED 6" WIRE LEADS - TERMINATION OPTION 003 3 LEADED 14" WIRE LEADS - TERMINATION OPTION 007



Dimensions in inches [mm]

Please see back of page for part numbers and additional specifications.

* Based on LED color -
Contact factory for details

Dialight Corporation

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Dialight reserves the right to make changes at any time
in order to supply the best product possible.



MDEL559LBCSI001_B

| Part Number | Color | Peak Wavelength (nm) | Intensity typ. (mcd) | If typ. (mA) | Vf typ. (V) | Viewing Angle 2Ø 1/2 | Maximum DC forward Voltage | Termination | RoHS Compliant |
|----------------|---------------|----------------------|----------------------|--------------|-------------|----------------------|----------------------------|--------------------|----------------|
| 559-3001-001F | Red/ Green | 660/565 | 90/40 | 20 | 1.8/2.1 | 60 | 40/30 | Straight terminals | ✓ |
| 559-3101-001F | Red/ Green | 660/565 | 90/40 | 20 | 1.8/2.1 | 60 | 40/30 | Straight terminals | ✓ |
| 559-3201-001F | Yellow/ Green | 585/565 | 12.6/19 | 20 | 2.1/2.1 | 50 | 30/20 | Straight terminals | ✓ |
| 559-3001-003F | Red/ Green | 660/565 | 90/40 | 20 | 1.8/2.1 | 60 | 40/30 | 6 inch wire leads | ✓ |
| 559-3201-003F | Yellow/ Green | 585/565 | 12.6/19 | 20 | 2.1/2.1 | 50 | 30/20 | 6 inch wire leads | ✓ |
| 559-3501-003F* | Red/ Green | 635/568 | 5/8 | 10 | 1.9/2.2 | 65 | 30 | 6 inch wire leads | ✓ |
| 559-3601-003F* | Yellow/ Green | 583/568 | 20/20 | 10 | 2.6/2.2 | 65 | 20 | 6 inch wire leads | ✓ |
| 559-3001-007F | Red/ Green | 660/565 | 90/40 | 20 | 1.8/2.1 | 60 | 40/30 | 14 inch wire leads | ✓ |
| 559-3201-007F | Yellow/ Green | 585/565 | 12.6/19 | 20 | 2.1/2.1 | 50 | 30/20 | 14 inch wire leads | ✓ |
| 559-3501-007F* | Red/ Green | 635/568 | 5/8 | 10 | 1.9/2.2 | 65 | 30 | 14 inch wire leads | ✓ |
| 559-3601-007F* | Yellow/ Green | 583/568 | 20/20 | 10 | 2.6/2.2 | 65 | 20 | 14 inch wire leads | ✓ |

Typical Operating Characteristics (Ta=25°C)

* 3 Leaded Bicolor - only available with wire leads

LED Panel Mount Indicator Selection

Dialight's line of LED Panel Mount Indicators are available in a variety of sizes and options.

Please visit our website for more information.

www.dialight.com

- ▶ .156" (3.96mm) *558 Series*
- ▶ .250" (6.35mm) *559 Series*
- ▶ 5mm *605 Series*
- ▶ 6mm *606 Series*
- ▶ 7mm *607 Series*
- ▶ 8mm *608 Series*
- ▶ 9mm *609 Series*
- ▶ 10mm *610 Series*
- ▶ 11/16" Watertight *557 Series*
- ▶ 1" Watertight *556 Series*

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