# 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

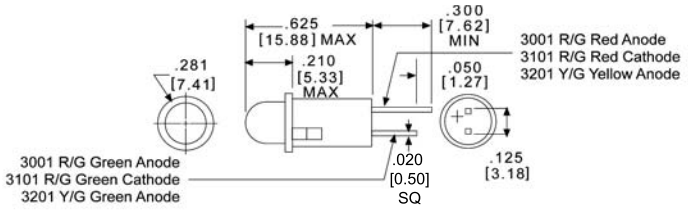
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors. These indicators are designed for a variety of applications such as:

• Main and remote power indication
• Maintenance and warning indication
• Status indication • Instrumentation
……..and many more!

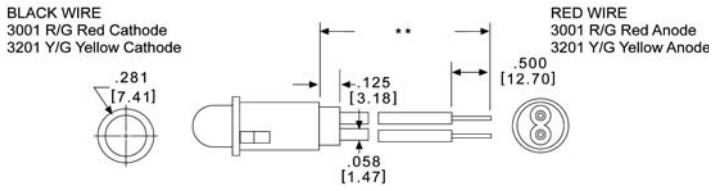
## SPECIFICATIONS

- 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

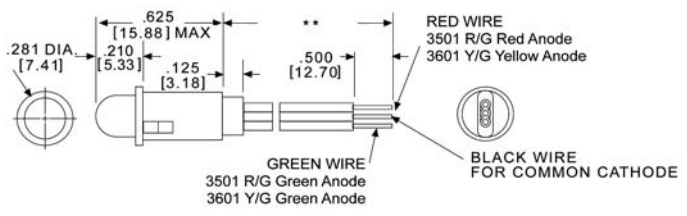
**STRAIGHT TERMINALS - TERMINATION OPTION 001**




****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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RoHS COMPLIANT

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

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

| 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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RoHS COMPLIANT

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