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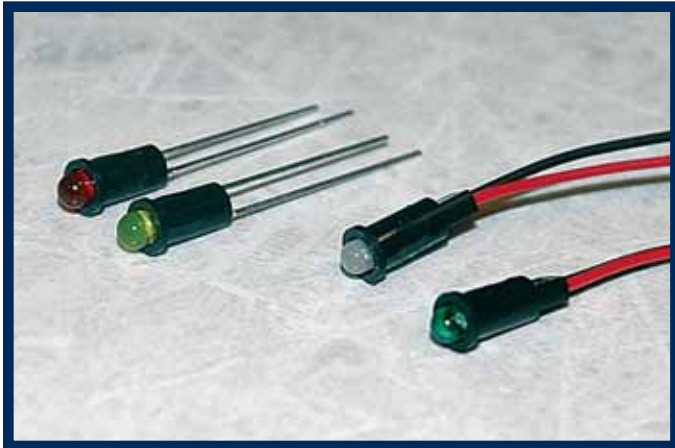
Part Number: **5580201007F**

### General Description

|                            |   |
|----------------------------|---|
| Color                      | Green                                     |
| Series                     | 558                                       |
| Configuration              | Low Current & High Efficiency Snap-In PMI |
| Description                | Green Snap-In LED Panel Mount Indicator   |
| Housing                    | Black PBT; UL 94V-0                       |
| LED Type                   | High Efficiency                           |
| Mounting Method            | Snap In                                   |
| Compliance                 | Front of Panel, UL94V-0                   |
| Termination                | 26 AWG 14" Wire Lead                      |
| Mounting Hole Size         | .156"                                     |
| Panel Thickness            | .062"                                     |
| Lens Style                 | Tinted                                    |
| Diffused                   | Diffused                                  |
| Luminous Intensity Typical | 16  |
| Forward Current mA         | 25 mA                                     |
| Voltage                    | 2.1 VDC                                   |
| Operating Temperature      | ' -25 +85                                 |
| Storage Temperature        | ' -30 +100                                |

# Dialight

## 558 Series - Low Current & High Efficiency Snap-in LED Panel Mount Indicators



### FEATURES / BENEFITS

- ▲ RoHS compliant
- ▲ Long life - typically 100K hours
- ▲ Low current requirements - as low as 2 mA
- ▲ 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
- ▲ Termination - straight terminals for wire wrapping or lead wire for soldering or optional terminals
- ▲ Colors include - red, green, yellow, orange and blue

### APPLICATIONS

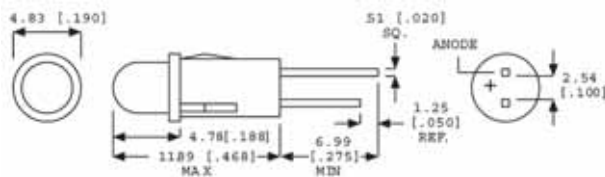
Dialight's 558 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors. These indicators are designed for a variety of applications such as:

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

### SPECIFICATIONS

- ▲ Voltage requirements:  
2.1 - 3.5 VDC typical (current limiting resistor required)
- ▲ Mounting hole size: 0.155 - 0.158" (3.94 - 4.01 mm)
- ▲ Panel thickness: 0.031 - 0.062" (.787 - 1.57 mm)
- ▲ Housing: Black housing material meets UL94V-0 and enhances LED contrast
- ▲ Operating temperature: -25°C to +85°C
- ▲ Storage temperature: -30°C to +100°C
- ▲ Electrical connection  
Straight terminals for wire wrapping or either 6 or 14 inch 26 AWG lead wire

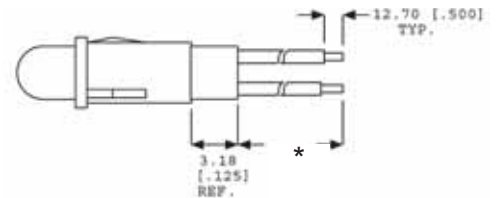
#### STRAIGHT TERMINALS - TERMINATION OPTION 1



Dimensions in mm [inches]

NOTE: WIRE LEAD COLOR RED (ANODE) AND BLACK (CATHODE)

#### \*26 AWG 6" WIRE LEADS - TERMINATION OPTION 3 26 AWG 14" WIRE LEADS - TERMINATION OPTION 7



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

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



Dialight Corporation

### LOW CURRENT-DIFFUSED

| Part Number   | Color  | Peak Wavelength (nm) | Intensity typ. (mcd) | If typ. (mA) | Vf typ. (V) | Viewing Angle 2O 1/2 / | Max. forward current (mA) | Termination        | RoHS Compliant |
|---------------|--------|----------------------|----------------------|--------------|-------------|------------------------|---------------------------|--------------------|----------------|
| 558-1101-001F | Red    | 635                  | 1.6                  | 2            | 1.7         | 60                     | 7                         | Straight terminals | ✓              |
| 558-1201-001F | Yellow | 585                  | 1.6                  | 2            | 1.8         | 60                     | 7                         | Straight terminals | ✓              |
| 558-1301-001F | Green  | 565                  | 1.6                  | 2            | 1.9         | 60                     | 7                         | Straight terminals | ✓              |
| 558-1101-003F | Red    | 635                  | 1.6                  | 2            | 1.7         | 60                     | 7                         | 6 inch wire leads  | ✓              |
| 558-1201-003F | Yellow | 585                  | 1.6                  | 2            | 1.8         | 60                     | 7                         | 6 inch wire leads  | ✓              |
| 558-1301-003F | Green  | 565                  | 1.6                  | 2            | 1.9         | 60                     | 7                         | 6 inch wire leads  | ✓              |
| 558-1101-007F | Red    | 635                  | 1.6                  | 2            | 1.7         | 60                     | 7                         | 14 inch wire leads | ✓              |
| 558-1201-007F | Yellow | 585                  | 1.6                  | 2            | 1.8         | 60                     | 7                         | 14 inch wire leads | ✓              |
| 558-1301-007F | Green  | 565                  | 1.6                  | 2            | 1.9         | 60                     | 7                         | 14 inch wire leads | ✓              |

Typical Operating Characteristics (Ta=25°C)

### HIGH EFFICIENCY-DIFFUSED

| Part Number   | Color  | Peak Wavelength (nm) | Intensity typ. (mcd) | If typ. (mA) | Vf typ. (V) | Viewing Angle 2O 1/2 / | Max. forward current (mA) | Termination        | RoHS Compliant |
|---------------|--------|----------------------|----------------------|--------------|-------------|------------------------|---------------------------|--------------------|----------------|
| 558-0101-001F | Red    | 650                  | 10                   | 10           | 2.0         | 55                     | 20                        | Straight terminals | ✓              |
| 558-0201-001F | Green  | 563                  | 16                   | 10           | 2.1         | 55                     | 25                        | Straight terminals | ✓              |
| 558-0301-001F | Yellow | 585                  | 10                   | 10           | 2.1         | 55                     | 20                        | Straight terminals | ✓              |
| 558-0401-001F | Orange | 600                  | 7                    | 10           | 1.9         | 60                     | 25                        | Straight terminals | ✓              |
| 558-0803-001F | Blue   | 465                  | 13                   | 10           | 3.5         | 70                     | 20                        | Straight terminals | ✓              |
| 558-1801-001F | Red    | 660                  | 30                   | 10           | 1.8         | 60                     | 40                        | Straight terminals | ✓              |
| 558-0101-003F | Red    | 650                  | 10                   | 10           | 2.0         | 55                     | 20                        | 6 inch wire leads  | ✓              |
| 558-0201-003F | Green  | 563                  | 16                   | 10           | 2.1         | 55                     | 25                        | 6 inch wire leads  | ✓              |
| 558-0301-003F | Yellow | 585                  | 10                   | 10           | 2.1         | 55                     | 20                        | 6 inch wire leads  | ✓              |
| 558-0401-003F | Orange | 600                  | 7                    | 10           | 1.9         | 60                     | 25                        | 6 inch wire leads  | ✓              |
| 558-0803-003F | Blue   | 465                  | 13                   | 10           | 3.5         | 70                     | 20                        | 6 inch wire leads  | ✓              |
| 558-1801-003F | Red    | 660                  | 30                   | 10           | 1.8         | 60                     | 40                        | 6 inch wire leads  | ✓              |
| 558-0101-007F | Red    | 650                  | 10                   | 10           | 2.0         | 55                     | 20                        | 14 inch wire leads | ✓              |
| 558-0201-007F | Green  | 563                  | 16                   | 10           | 2.1         | 55                     | 25                        | 14 inch wire leads | ✓              |
| 558-0301-007F | Yellow | 585                  | 10                   | 10           | 2.1         | 55                     | 20                        | 14 inch wire leads | ✓              |
| 558-0401-007F | Orange | 600                  | 7                    | 10           | 1.9         | 60                     | 25                        | 14 inch wire leads | ✓              |
| 558-0803-007F | Blue   | 465                  | 13                   | 10           | 3.5         | 70                     | 20                        | 14 inch wire leads | ✓              |
| 558-1801-007F | Red    | 660                  | 30                   | 10           | 1.8         | 60                     | 40                        | 14 inch wire leads | ✓              |

Typical Operating Characteristics (Ta=25°C)

## LED Panel Mount Indicator Selection

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

- ▶ .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*

