Dialight

Part Number: **5590103001F**

General Description

Color	Red
Series	559
Configuration	Snap-In, Integral Resistor PMI
Description	Red Snap-In LED, .250" Mounting Hole Indicator
Housing	Black PBT, UL94V-0
LED Type	Snap-In LED
Mounting Method	Snap In
Compliancy	Front of Panel, UL94V-0
Termination	Straight Terminals for Wire Wrap
Mounting Hole Size	.250"
Panel Thickness	0.031" - 0.062"
Diffused	Diffused
Luminous Intensity Typical	8
Forward Current mA	13 mA
Voltage	12.0 VDC
Operating Temperature	-20 +85
Storage Temperature	-55 +100

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559 Series

5V & 12V - Integral Resistor Snap-in LED - .250" Mounting Hole Panel Mount Indicators
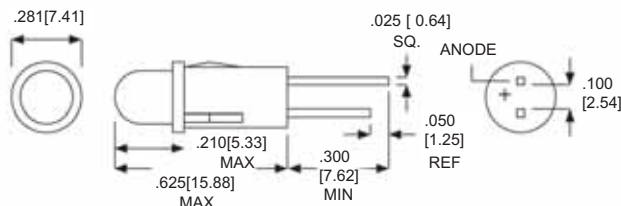
APPLICATIONS

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:
5 & 12 VDC (no 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
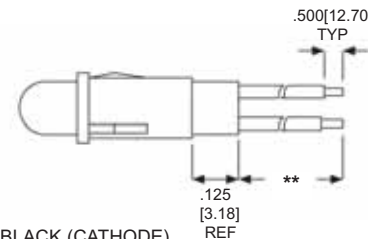Straight terminals for wire wrapping or either 6 or 14 inch 24 AWG lead wire

STRAIGHT TERMINALS - TERMINATION OPTION 001

.281[7.41]

.025 [0.64]
SQ.
ANODE

.210[5.33]
MAX

.625[15.88]
MAX

.300
[7.62]
MIN

.050
[1.25]
REF

.100
[2.54]

Dimensions in inches [mm]

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

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

.500[12.70]
TYP

**

.125
[3.18]
REF

* Based on LED color -
Contact factory for details

**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.

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5 VOLT OPERATION

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	Voltage (VDC)	Current (mA)	Viewing Angle 2Ø 1/2	Maximum DC forward Voltage	Termination	RoHS Complaint
559-0102-001F	Red	635	8	5	10	60	7.5	Straight terminals	✔
559-0202-001F	Green	565	8	5	10	60	7.5	Straight terminals	✔
559-0302-001F	Yellow	583	8	5	10	60	7.5	Straight terminals	✔
559-0102-003F	Red	635	8	5	10	60	7.5	6 inch wire leads	✔
559-0202-003F	Green	565	8	5	10	60	7.5	6 inch wire leads	✔
559-0302-003F	Yellow	583	8	5	10	60	7.5	6 inch wire leads	✔
559-0102-007F	Red	635	8	5	10	60	7.5	14 inch wire leads	✔
559-0202-007F	Green	565	8	5	10	60	7.5	14 inch wire leads	✔
559-0302-007F	Yellow	583	8	5	10	60	7.5	14 inch wire leads	✔

Typical Operating Characteristics (Ta=25°C)

12 VOLT OPERATION

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	Voltage (VDC)	Current (mA)	Viewing Angle 2Ø 1/2	Maximum DC forward Voltage	Termination	RoHS Complaint
559-0103-001F	Red	635	8	12	13	60	15	Straight terminals	✔
559-0203-001F	Green	565	8	12	13	60	15	Straight terminals	✔
559-0303-001F	Yellow	583	8	12	13	60	15	Straight terminals	✔
559-0103-003F	Red	635	8	12	13	60	15	6 inch wire leads	✔
559-0203-003F	Green	565	8	12	13	60	15	6 inch wire leads	✔
559-0303-003F	Yellow	583	8	12	13	60	15	6 inch wire leads	✔
559-0103-007F	Red	635	8	12	13	60	15	14 inch wire leads	✔
559-0203-007F	Green	565	8	12	13	60	15	14 inch wire leads	✔
559-0303-007F	Yellow	583	8	12	13	60	15	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**

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A4703 UL REGISTERED FIRM ISO 9001 Dialight Corporation

RoHS COMPLIANT