

◆ Home > 5591101007F

Part Number: **5591101007F**

### General Description

Color	 Red
Series	559
Configuration	Low Current Snap-In PMI
Description	Red Snap-In LED, .250" Mounting Hole Indicator
Housing	Black PBT, UL94V-0
LED Type	Low Current 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	Diffused
Luminous Intensity Typical	2
Forward Current mA	7 mA
Voltage	1.8 VDC
Operating Temperature	-20 +85
Storage Temperature	-30 +100

# Dialight

## Low Current & 559 Series - High Efficiency Snap-in LED (.250" Mounting Hole) 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 and orange
- ▲ Tinted Diffused and Non-Tinted/Non-Diffused LEDs available

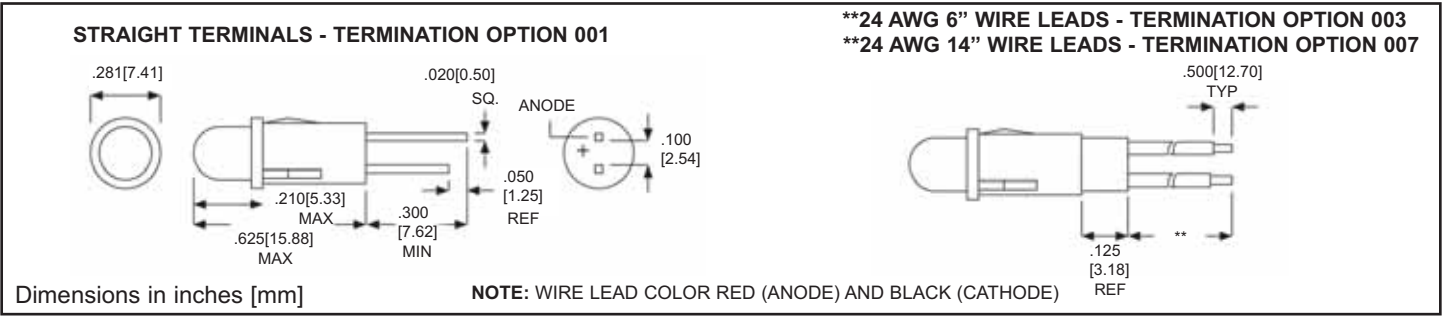
### APPLICATIONS

Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolored 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: 1.8 - 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: -30°C to +100°C
- ▲ Electrical connection: Straight terminals for wire wrapping or either 6 or 14 inch 24 AWG lead wire



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

\* Based on LED color - Contact factory for details

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

**Dialight Corporation**





# 559 Series- Low Current & High Efficiency Snap-in LED (.250" Mounting Hole) Panel Mount Indicators

## LOW CURRENT-DIFFUSED

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	If typ. (mA)	Vf typ. (V)	Viewing Angle 2Ø 1/2	Max. forward current (mA)	Termination	RoHS Compliant
559-1101-001F	Red	635	2.0	2	1.8	50	7	Straight terminals	✓
559-1201-001F	Yellow	585	1.8	2	1.9	50	7	Straight terminals	✓
559-1301-001F	Green	565	1.8	2	1.8	50	7	Straight terminals	✓
559-1101-003F	Red	635	2.0	2	1.8	50	7	6 inch wire leads	✓
559-1201-003F	Yellow	585	1.8	2	1.9	50	7	6 inch wire leads	✓
559-1301-003F	Green	565	1.8	2	1.8	50	7	6 inch wire leads	✓
559-1101-007F	Red	635	2.0	2	1.8	50	7	14 inch wire leads	✓
559-1201-007F	Yellow	585	1.8	2	1.9	50	7	14 inch wire leads	✓
559-1301-007F	Green	565	1.8	2	1.8	50	7	14 inch wire leads	✓

## HIGH EFFICIENCY-DIFFUSED

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	If typ. (mA)	Vf typ. (V)	Viewing Angle 2Ø 1/2	Max. forward current (mA)	Termination	RoHS Compliant
559-2101-001F	Red	650	7	10	2.2	50	20	Straight terminals	✓
559-2201-001F	Green	563	10	10	2.1	65	25	Straight terminals	✓
559-2301-001F	Yellow	585	6.3	10	2.1	50	20	Straight terminals	✓
559-2501-001F	Orange	600	7	10	1.9	60	30	Straight terminals	✓
559-5101-001F	Red	650	34	20	2.1	50	25	Straight terminals	✓
559-5201-001F	Green	563	34	20	2.2	50	25	Straight terminals	✓
559-5301-001F	Yellow	585	34	20	2.2	50	25	Straight terminals	✓
559-5401-001F	Orange	610	34	20	2.2	50	25	Straight terminals	✓
559-2101-003F	Red	650	7	10	2.2	50	20	6 inch wire leads	✓
559-2201-003F	Green	563	10	10	2.1	65	25	6 inch wire leads	✓
559-2301-003F	Yellow	585	6.3	10	2.1	50	20	6 inch wire leads	✓
559-2501-003F	Orange	600	7	10	1.9	60	30	6 inch wire leads	✓
559-5101-003F	Red	650	34	20	2.1	50	25	6 inch wire leads	✓
559-5201-003F	Green	563	34	20	2.2	50	25	6 inch wire leads	✓
559-5301-003F	Yellow	585	34	20	2.2	50	25	6 inch wire leads	✓
559-5401-003F	Orange	610	34	20	2.2	50	25	6 inch wire leads	✓
559-2101-007F	Red	650	7	10	2.2	50	20	14 inch wire leads	✓
559-2201-007F	Green	563	10	10	2.1	65	25	14 inch wire leads	✓
559-2301-007F	Yellow	585	6.3	10	2.1	50	20	14 inch wire leads	✓
559-2501-007F	Orange	600	7	10	1.9	60	30	14 inch wire leads	✓
559-5101-007F	Red	650	34	20	2.1	50	25	14 inch wire leads	✓
559-5201-007F	Green	563	34	20	2.2	50	25	14 inch wire leads	✓
559-5301-007F	Yellow	585	34	20	2.2	50	25	14 inch wire leads	✓
559-5401-007F	Orange	610	34	20	2.2	50	25	14 inch wire leads	✓

## HIGH EFFICIENCY - NON-TINTED/NON-DIFFUSED

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	If typ. (mA)	Vf typ. (V)	Viewing Angle 2Ø 1/2	Max. forward current (mA)	Termination	RoHS Compliant
559-5501-001F	Red	635	125	20	2.2	24	30	Straight terminals	✓
559-5601-001F	Green	565	120	20	2.3	24	30	Straight terminals	✓
559-5701-001F	Yellow	583	140	20	2.2	24	20	Straight terminals	✓
559-5801-001F	Orange	605	90	20	2.2	20	50	Straight terminals	✓
559-5501-003F	Red	635	125	20	2.2	24	30	6 inch wire leads	✓
559-5601-003F	Green	565	120	20	2.3	24	30	6 inch wire leads	✓
559-5701-003F	Yellow	583	140	20	2.2	24	20	6 inch wire leads	✓
559-5801-003F	Orange	605	90	20	2.2	20	50	6 inch wire leads	✓
559-5501-007F	Red	635	125	20	2.2	24	30	14 inch wire leads	✓
559-5601-007F	Green	565	120	20	2.3	24	30	14 inch wire leads	✓
559-5701-007F	Yellow	583	140	20	2.2	24	20	14 inch wire leads	✓
559-5801-007F	Orange	605	90	20	2.2	20	50	14 inch wire leads	✓

Typical Operating Characteristics (Ta=25°C)

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