



559 SERIES Snap-In LED

.250" (6.35 mm) Mounting Hole

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.249 – 0.252" (6.32 – 6.40 mm)

MAX PANEL THICKNESS:

0.031 – 0.062" (.787 – 1.57 mm)

VOLTAGE OPTIONS:

1.6 – 3.6V DC typical (resistor required)
5, 12, 24V DC (no resistor required)

OPERATING TEMP: See table

STORAGE TEMP:

-55 °C to +100 °C (-67 °F to +212 °F)

ELECTRICAL CONNECTION:

Straight terminals for wire wrapping
or 24 AWG lead wire

HOUSING:

Black - UL94V-0 flammability rating

WIRE LEADS:

6" or 14", Standard or PVC free

CONNECTORS: Available upon request

TERMINALS: Available upon request

CERTIFICATIONS & RATINGS

RoHS compliant

*ESD classifications listed by
individual LED code*

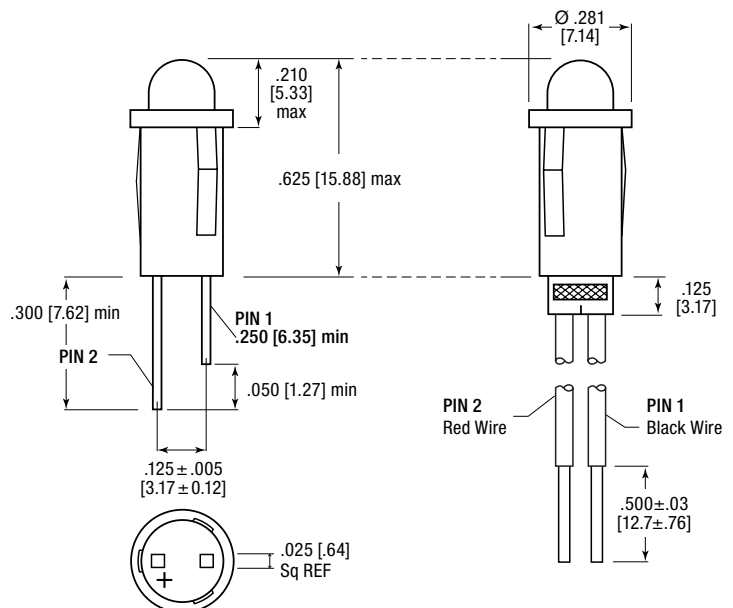
Items with integral resistors not ESD sensitive

APPLICATION

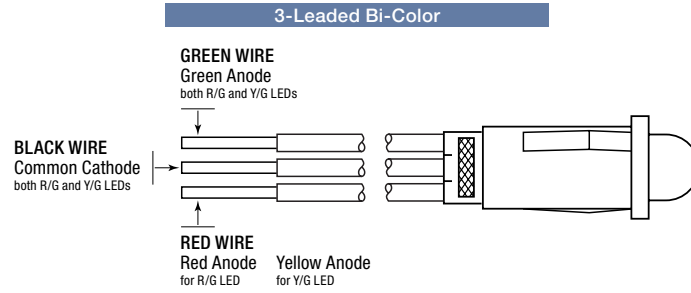
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AllnGaP and InGaN technology for high brightness applications, bicolor and integral resistors.

- Fan tray assemblies
- Data-center infrastructure (servers and storage)
- Next-gen wireless infrastructure
- Electronic test and measurement instruments
- Communications testing equipment
- Hand held devices

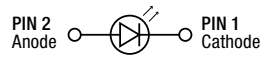
DIMENSIONS inches [mm]



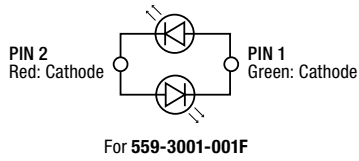
DIMENSIONS inches [mm]



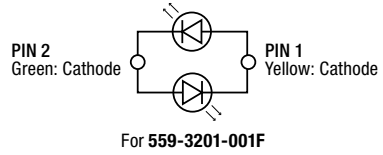
Single Color LED Schematic



Bi-Color Red/Green LED Schematic



Bi-Color Yellow/Green LED Schematic



ORDERING INFORMATION

Part Number Guide

5 5 9 - X X X X - 0 X X F

LED Code (see below)

Wire Code

Termination Code

Standard	0	Straight Terminals	1
PVC Free	2	24 AWG 6" wire leads	3
		24 AWG 14" wire leads	7

ESD Footnote Codes:
Part Number Guide
All HBM Values

LED Code	Class	Color	Peak Wavelength (nm)	Intensity Typ. (mcd)	If Typ. (mA)	Vf Typ. (V DC)	Viewing Angle	Max DC Forward Current (mA)	Type	Operating Temp
5501	3B	Red	635	125	20	2.2	24	30	Non-Tinted / Non-Diffused	-55 °C to +100 °C
5601	3B	Green	565	120	20	2.3	24	30		-20 °C to +100 °C
5701	3B	Yellow	583	140	20	2.1	24	20		-55 °C to +100 °C
5801	1C	Orange	605	90	20	2.2	20	50		-30 °C to +85 °C
5901	1C	Yellow	592	3100	20	2	15	50		-40 °C to +100 °C
6001	1B	Blue	470	6000	20	3.1	30	35		-30 °C to +85 °C
6101	3B	Red	635	2100	20	1.9	15	50		-40 °C to +100 °C
6201	1B	Green	525	14800	20	3.2	30	35		-30 °C to +85 °C
6301	3B	Orange	609	4000	20	1.9	15	50		-40 °C to +100 °C
6401	1C	White	X = .31 Y = .32	2500	20	3.2	50	30		-30 °C to +85 °C
1101	1C	Red	635	2.3	2	1.7	50	7	Low Current Diffused	-55 °C to +100 °C
1201	1C	Yellow	583	1.8	2	1.9	50	7		-55 °C to +100 °C
1301	3B	Green	565	1.8	2	1.8	50	7		-55 °C to +100 °C
2101	1C	Red	650	6.3	10	2.2	50	20	Diffused	-25 °C to +85 °C
2201	1C	Green	563	10	10	2.1	65	25		-25 °C to +85 °C
2301	1C	Yellow	585	29	10	1.9	50	20		-55 °C to +100 °C
2501	3B	Orange	600	7	10	1.9	60	30		-55 °C to +100 °C
5101	1C	Red	650	40	10	2	50	25		-40 °C to +100 °C
5201	1C	Green	569	40	10	2.1	50	30		-55 °C to +100 °C
5401	1C	Amber	610	40	10	2.2	50	20		-40 °C to +100 °C
0102		Red	635	8		5	60	15	5V Integral Resistor	-40 °C to +85 °C
0202		Green	565	8	12	5	60	15		-20 °C to +85 °C
0302		Yellow	583	8	10	5	60	15		-40 °C to +85 °C
0103		Red	635	8	13	12	60	15	12V Integral Resistor	-55 °C to +100 °C
0203		Green	565	8	13	12	60	15		-20 °C to +85 °C
0303		Yellow	583	8	13	12	60	15		-40 °C to +85 °C
5904		Yellow	592	3100	20	24	15	50	24V Integral Resistor	-30 °C to +85 °C
6104		Red	635	2100	20	24	15	50		-30 °C to +85 °C
6204		Green	525	14800	20	24	30	50		-30 °C to +85 °C
3001	1C	Red/Green	660/565	90/40	20	1.8/2.1	60	40/30	2 leaded Bi-color	-55 °C to +100 °C
3201	1C	Yellow/Green	589/571	30/50	20	2.1/2.1	50	20		-30 °C to +85 °C
3501	3B	Red/Green	635/565	5.0/8.0	10	2.1/2.3	65	30	3 leaded Bi-color	-20 °C to +85 °C
3601	1C	Yellow/Green	590/568	9/13.5	10	2/2.1	65	30		-20 °C to +85 °C



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