



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

POSSIBLE CONNECTORS:

Molex 50-57-9402

AMP 3-643814-3

TERMINALS: Available upon request

POSSIBLE TERMINALS:

Molex 16-02-0069, 16-02-077,
AMP 42067-1

CERTIFICATIONS & RATINGS

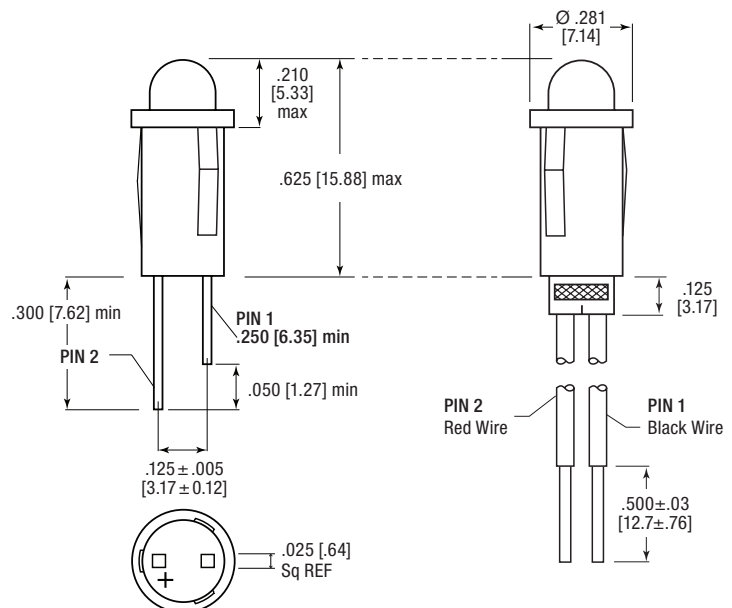
RoHS compliant

APPLICATION

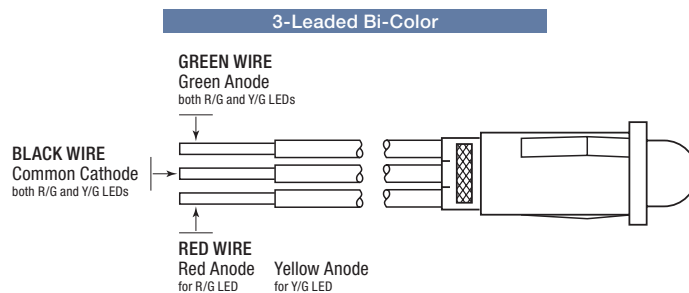
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors.

- 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]



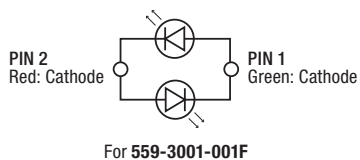
DIMENSIONS inches [mm]



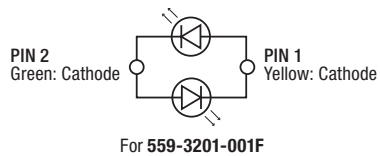
Single Color LED Schematic



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			
				PVC Free				2	24 AWG 6" wire leads			
									24 AWG 14" wire leads			

LED Code	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	Red	635	125	20	2.2	24	30	Non-Tinted / Non-Diffused	-55 °C to +100 °C
5601	Green	565	120	20	2.3	24	30		-20 °C to +100 °C
5701	Yellow	583	140	20	2.1	24	20		-55 °C to +100 °C
5801	Orange	605	90	20	2.2	20	50		-30 °C to +85 °C
5901	Yellow	592	3100	20	2	15	50		-40 °C to +100 °C
6001	Blue	470	6000	20	3.1	30	35		-30 °C to +85 °C
6101	Red	635	2100	20	1.9	15	50		-40 °C to +100 °C
6201	Green	525	14800	20	3.2	30	35		-30 °C to +85 °C
6301	Orange	609	4000	20	1.9	15	50		-40 °C to +100 °C
6401	White	X = .31 Y = .32	2500	20	3.2	50	30		-30 °C to +85 °C
1101	Red	635	2.3	2	1.7	50	7	Low Current Diffused	-55 °C to +100 °C
1201	Yellow	583	1.8	2	1.9	50	7		-55 °C to +100 °C
1301	Green	565	1.8	2	1.8	50	7		-55 °C to +100 °C
2101	Red	650	6.3	10	2.2	50	20	Diffused	-25 °C to +85 °C
2201	Green	563	10	10	2.1	65	25		-25 °C to +85 °C
2301	Yellow	585	29	10	1.9	50	20		-55 °C to +100 °C
2501	Orange	600	7	10	1.9	60	30		-55 °C to +100 °C
5101	Red	650	40	10	2	50	25		-40 °C to -100 °C
5201	Green	569	40	10	2.1	50	30		-55 °C to +100 °C
5401	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	Red / Green	660/565	90/40	20	1.8/2.1	60	40/30	2 leaded Bi-color	-55 °C to +100 °C
3201	Yellow / Green	589/571	30/50	20	2.1/2.1	50	20		-30 °C to +85 °C
3501	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	Yellow / Green	590/568	9/13.5	10	2/2.1	65	30		-20 °C to +85 °C



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