559 Series

Snap-in LED .250" (6.35 mm) Mounting Hole



Certifications & Ratings

- RoHS compliant

Application

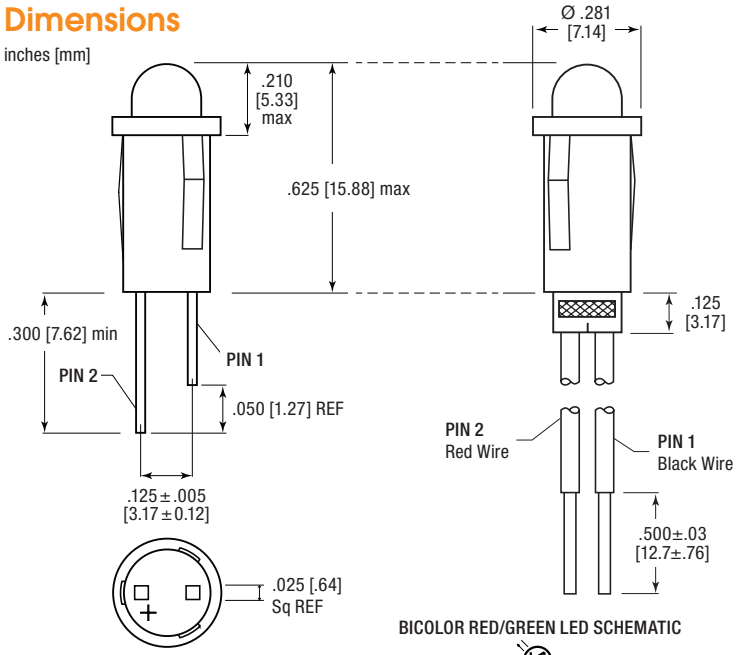
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors.

- Fan tray assemblies
- Data-center Infrastructure (Servers and Storage)
- Next-Gen Wireless Infrastructure
- Electronic Test & Measurement Instruments
- Communications Testing Equipment
- Hand held Devices

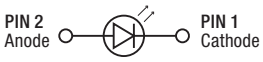
. . . and many more!

Dimensions

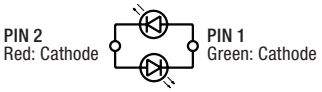
inches [mm]



SINGLE COLOR LED SCHEMATIC

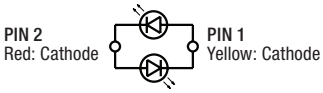


BICOLOR RED/GREEN LED SCHEMATIC



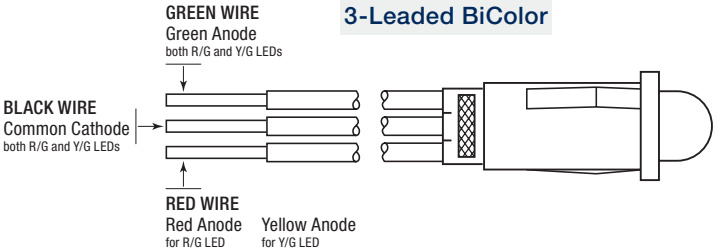
FOR 559-3001-001F

BICOLOR YELLOW/GREEN LED SCHEMATIC



FOR 559-3201-001F

3-Leaded BiColor



Mechanical Information

Mounting Hole Size:	0.249 – 0.252" (6.32 – 6.40 mm)
Max Panel Thickness:	0.031 – 0.062" (.787 – 1.57 mm)
Mounting Torque:	N/A

Specifications

Voltage Options:	1.6 – 2.3 V 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 and enhances LED contrast
Wire Leads:	6" or 14"
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

RoHS COMPLIANT

Dialight

Ordering Information 559 Series

Part Number Guide

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

LED Code (see below)

Wire Code

Standard	0
PVC Free	2

Termination Code

Straight Terminals	1
24 AWG 6" wire leads	3
24 AWG 14" wire leads	7

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		2.3	24	30		-20 °C to +100 °C
5701	Yellow	583	140		2.1	24	20		-55 °C to +100 °C
5801	Orange	605	90		2.2	20	50		-30 °C to +85 °C
5901	Yellow	592	3100		2	15	50		-40 °C to +100 °C
6001	Blue	470	1500		3.6	30	30		-30 °C to +85 °C
6101	Red	635	2100		1.9	15	50		-40 °C to +100 °C
6201	Green	525	5000		3.2	30	30		-30 °C to +85 °C
6301	Orange	609	4000		1.9	15	50		-40 °C to +100 °C
6401	White	X = .31 Y = .32	2500		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		1.9	50	7		
1301	Green	565	1.8		1.8	50	7		
2101	Red	650	6.3	10	2.2	50	20	Diffused	-25 °C to +85 °C
2201	Green	563	10		2.1	65	25		
2301	Yellow	585	29		1.9	50	20		-55 °C to +100 °C
2501	Orange	600	7		1.9	60	30		
5101	Red	635	40	10	2	50	25		-40 °C to -100 °C
5201	Green	565	19		2.1	50	30		-55 °C to +100 °C
5401	Amber	610	50	20	2.1	50	20		-40 °C to -100 °C
0102	Red	635	8	10	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		12	60	15		-20 °C to +85 °C
0303	Yellow	583	8		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		24	15	50		
6204	Green	525	5000		24	30	50		
3001	Red / Green	660 / 565	90 / 40		1.8 / 2.1	60	40 / 30	2 leaded Bi-color	-55 °C to +100 °C
3201	Yellow / Green	589 / 571	30/50		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		2 / 2.1	65	30		

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