

Home > 5593601007F

Part Number: **5593601007F**

General Description

Color	Bi-Color (Yellow and Green)
Series	559
Configuration	Snap-In Bi-Color PMI
Description	Yellow/Grn. Snap-In LED, .250" Mounting Hole Indicator
Housing	Black PBT, UL94V-0
Lamp Type	Bi-Color
LED Type	3 Leaded Bi-Color 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	Non-Diffused
Forward Current mA	20 mA
Voltage	2.6/2.2 VDC
Operating Temperature	-20 +85
Storage Temperature	-55 +100

Dialight

559 Series

2 & 3 Leaded Bicolor Snap-in LED - .250" Mounting Hole Panel Mount Indicators



FEATURES / BENEFITS

- ▲ RoHS compliant
- ▲ Long life - typically 100K hours
- ▲ 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
- ▲ Available in both 2 or 3 leaded versions
- ▲ Termination - straight terminals for wire wrapping or lead wire for soldering or optional terminals
- ▲ Colors include - red/green and yellow /green
- ▲ Three leaded version allows for additional color variations

APPLICATIONS

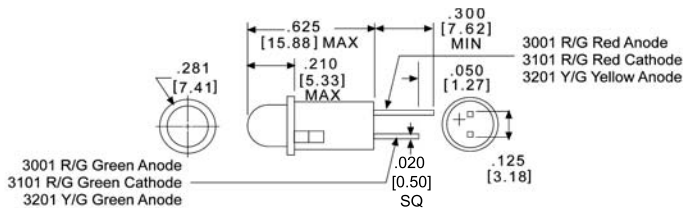
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors. These indicators are designed for a variety of applications such as:

- Main and remote power indication
- Maintenance and warning indication
- Status indication
- Instrumentation
-and many more!

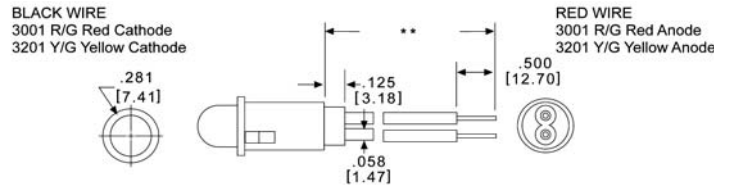
SPECIFICATIONS

- ▲ Voltage requirements: 1.6 - 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: -55°C to +100°C
- ▲ Electrical connection: Straight terminals for wire wrapping or either 6 or 14 inch 24 AWG lead wire
- ▲ 3 leads - common cathode

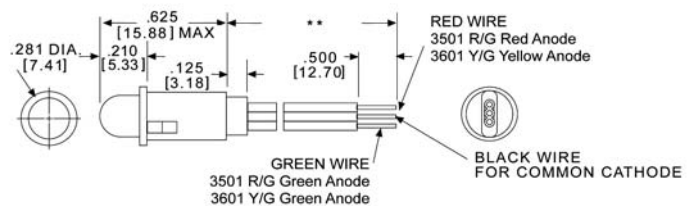
STRAIGHT TERMINALS - TERMINATION OPTION 001



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



BICOLOR: 559-3501-00X and 559-3601-00X ONLY 3 LEADED 6" WIRE LEADS - TERMINATION OPTION 003 3 LEADED 14" WIRE LEADS - TERMINATION OPTION 007



Dimensions in inches [mm]

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

* 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.

Part Number	Color	Peak Wavelength (nm)	Intensity typ. (mcd)	If typ. (mA)	Vf typ. (V)	Viewing Angle 2Ø 1/2	Maximum DC forward Voltage	Termination	RoHS Compliant
559-3001-001F	Red/ Green	660/565	90/40	20	1.8/2.1	60	40/30	Straight terminals	✓
559-3101-001F	Red/ Green	660/565	90/40	20	1.8/2.1	60	40/30	Straight terminals	✓
559-3201-001F	Yellow/ Green	585/565	12.6/19	20	2.1/2.1	50	30/20	Straight terminals	✓
559-3001-003F	Red/ Green	660/565	90/40	20	1.8/2.1	60	40/30	6 inch wire leads	✓
559-3201-003F	Yellow/ Green	585/565	12.6/19	20	2.1/2.1	50	30/20	6 inch wire leads	✓
559-3501-003F*	Red/ Green	635/568	5/8	10	1.9/2.2	65	30	6 inch wire leads	✓
559-3601-003F*	Yellow/ Green	583/568	20/20	10	2.6/2.2	65	20	6 inch wire leads	✓
559-3001-007F	Red/ Green	660/565	90/40	20	1.8/2.1	60	40/30	14 inch wire leads	✓
559-3201-007F	Yellow/ Green	585/565	12.6/19	20	2.1/2.1	50	30/20	14 inch wire leads	✓
559-3501-007F*	Red/ Green	635/568	5/8	10	1.9/2.2	65	30	14 inch wire leads	✓
559-3601-007F*	Yellow/ Green	583/568	20/20	10	2.6/2.2	65	20	14 inch wire leads	✓

Typical Operating Characteristics (Ta=25°C)

* 3 Leaded Bicolor - only available with wire leads

LED Panel Mount Indicator Selection

Dialight's line of LED Panel Mount Indicators are available in a variety of sizes and options.

Please visit our website for more information.

www.dialight.com

- ▶ .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*

