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Dialight



559 Series
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 bicolor leaded versions
- Termination - straight terminals for wire wrapping or lead wire for soldering or optional terminals
- Three leaded bicolor version allows for additional color variations
- Available with PVC-free lead wires

A4703 UL REGISTERED FIRM ISO 9001
Dialight Corporation

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. These indicators are designed for a variety of applications such as:

- Fan tray assemblies
- Datacenter Infrastructure (Servers and Storage)
- Next-Gen Wireless Infrastructure
- Electronic Test & Measurement Instruments
- Communications Testing Equipment
- Process controls
- Automation
- Medical Equipment
- Handheld devices

Mechanical Information

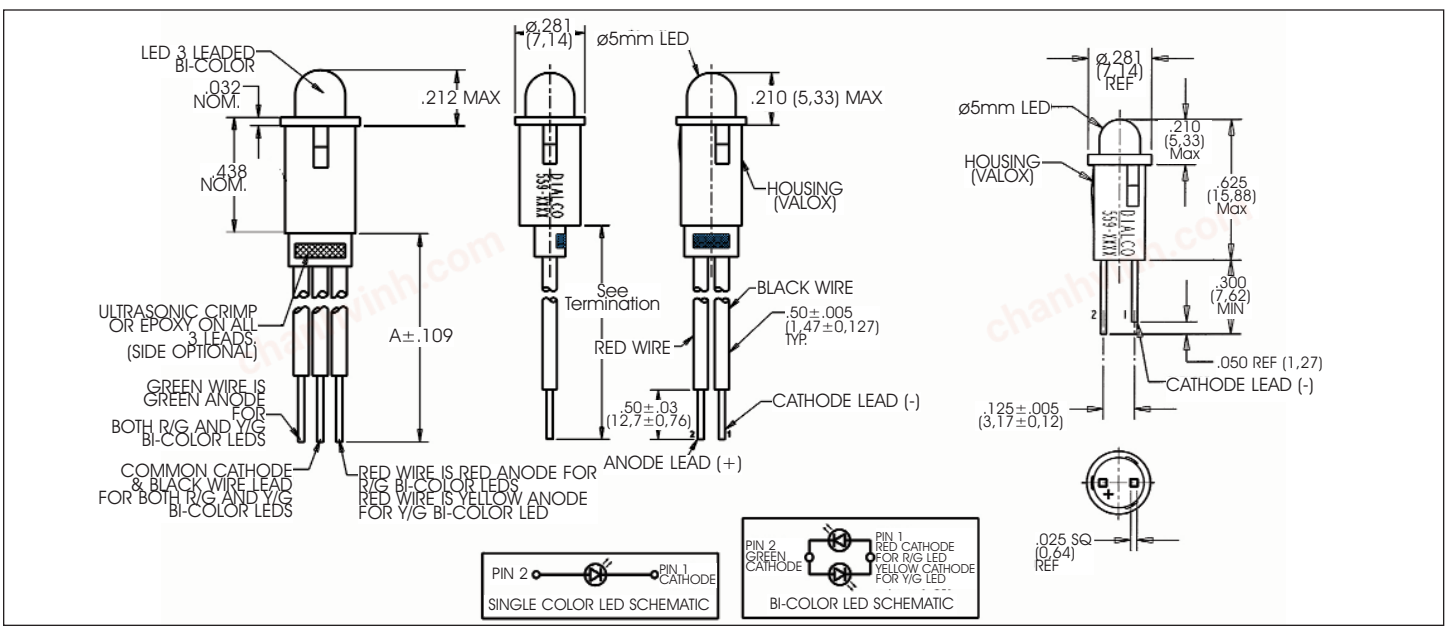
Mounting Hole Size:	0.249 - 0.252" (6.32 - 6.40 mm)
Panel Thickness:	0.031 - 0.062" (.787 - 1.57 mm)

Electrical Specifications

Operating Voltage:	1.6 - 2.3 VDC typical (current limiting resistor required) 5 VDC typical (resistor not required) 12 VDC typical (resistor not required) 24 VDC typical (resistor not required)
Operating Temp:	See table
Storage Temp:	(-67°F to +212°F) -55°C to +100°C
Electrical connection:	Straight terminals for wire wrapping or either 6 or 14 inch 24 AWG lead wire
Leads:	Straight leads 2 leads 3 leads - common cathode

Construction

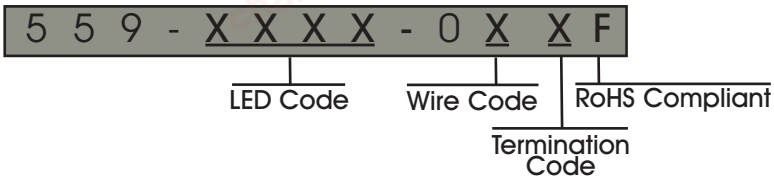
Housing:	Black housing material meets: UL94V-0 and enhances LED contrast



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Ordering Information



Wire Code	Wire Type
0	Standard
2	PVC Free

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

LED Code	Color	Peak Wavelength (nm)	Intensity Typ. (mcd)	If Typ. (mA)	Vf Typ. (V)	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	Yellow	565	120	20	2.3	24	30	Non-Tinted Non-Diffused	-20°C to +100°C
5701	Green	583	140	20	2.1	24	20	Non-Tinted Non-Diffused	-55°C to +100°C
5801	Orange	605	90	20	2.2	20	50	Non-Tinted Non-Diffused	-30°C to +85°C
5901	Yellow	592	3100	20	2	15	50	Non-Tinted Non-Diffused	-40°C to +100°C
6001	Blue	470	1500	20	3.6	30	30	Non-Tinted Non-Diffused	-30°C to +85°C
6101	Red	635	2100	20	1.9	15	50	Non-Tinted Non-Diffused	-40°C to +100°C
6201	Green	525	5000	20	3.5	30	30	Non-Tinted Non-Diffused	-30°C to +85°C
6301	Orange	609	4000	20	1.9	15	50	Non-Tinted Non-Diffused	-40°C to +100°C
6401	White	X=.31 Y=.32	2500	20	3.5	50	30	Non-Tinted Non-Diffused	-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	Low current Diffused	-55°C to +100°C
1301	Green	565	1.8	2	1.8	50	7	Low current Diffused	-55°C to +100°C
2101	Red	650	6.3	10	2.2	50	20	Diffused	-25°C to +85°C
2201	Yellow	563	10	10	2.1	65	25	Diffused	-25°C to +85°C
2301	Green	585	29 @10	10/20	2.1 @20	50	20	Diffused	-55°C to +100°C
2501	Orange	600	7	10	1.9	60	30	Diffused	-55°C to +100°C
5101	Red	650	34	20	2.1	50	25	Diffused	-55°C to +100°C
5201	Yellow	563	34	20	2.2	50	25	Diffused	-55°C to +100°C
5301	Green	585	34	20	2.2	50	25	Diffused	-55°C to +100°C
5401	Orange	610	34	20	2.2	50	25	Diffused	-20°C to +85°C
0102	Red	635	8	10	5	60	7.5	5V Integral Resistor	-40°C to +85°C
0202	Green	565	8	12	5	60	7.5	5V Integral Resistor	-20°C to +85°C
0302	Yellow	583	8	10	5	60	7.5	5V Integral Resistor	-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	12V Integral Resistor	-20°C to +85°C
0303	Yellow	583	8	13	12	60	15	12V Integral Resistor	-40°C to +85°C
5904	Yellow	592	3100	20	2	15	50	24V External Resistor	-30°C to +85°C
6104	Red	635	2100	20	20	15	50	24V External Resistor	-30°C to +85°C
6204	Green	525	5000	20	3.5	30	50	24V External Resistor	-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
3101	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	585/565	12.6/19	20	2.1/2.1	50	20/30	2 leaded Bi-color	-55°C to +100°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	583/565	20/20	10	1.6/1.6	65	30	3 leaded Bi-color	-20°C to +85°C

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