

5mm

LED Panel Mount Indicator

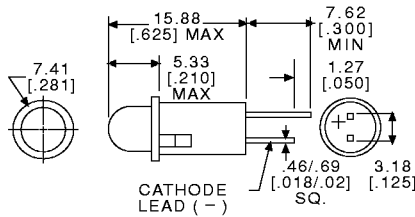
5V or 12V Integral Resistor

.250" Mounting Hole, Snap In Mounting

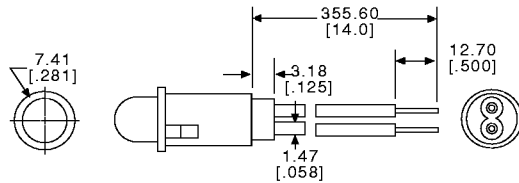
Dialight

559 Series

STRAIGHT TERMINALS – TERMINAL OPTION 1



24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

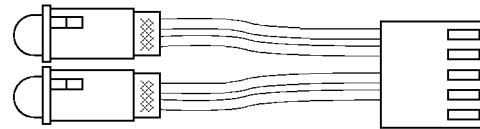
BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

Example



Typical Operating Characteristics (T<sub>A</sub>=25°C)  
DIFFUSED LED

Absolute  
Maximum Ratings

Part Number	Color	Termination Options	Peak Wavelength (nm)	I <sub>v</sub> Typical (mcd)	V <sub>f</sub> Volts (V)	I <sub>f</sub> (mA)		Min Reverse Voltage	Viewing Angle 2Θ <sup>1/2</sup>	DC Forward Voltage	Temperature °C	
						Typ	Max				Operating	Storage
559-0102-00x	R	1,3,7	655	2	5	13	20	5	60	7.5	-40/+85	-55/+100
559-0103-00x	R	1,3,7	655	2	12	13	20	5	60	15	-40/+85	-55/+100
559-0202-00x	G	1,3,7	565	8	5	12	15	5	60	7.5	-20/+85	-55/+100
559-0203-00x	G	1,3,7	565	4	12	13	20	5	60	15	-20/+85	-55/+100
559-0302-00x	Y	1,3,7	583	8	5	10	15	5	60	7.5	-40/+85	-55/+100
559-0303-00x	Y	1,3,7	583	8	12	13	20	5	60	15	-40/+85	-55/+100

COLOR CODES:

R Red  
G Green  
Y Yellow

PART NUMBER ORDERING CODE

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

Series

Termination Option  
1 = Straight Terminals  
3 = 6" Wire Leads  
7 = 14" Wire Leads

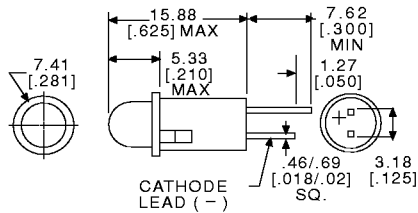
# 5mm

## LED Panel Mount Indicator 2mA and High Efficiency LEDs .250" Mounting Hole, Snap In Mounting

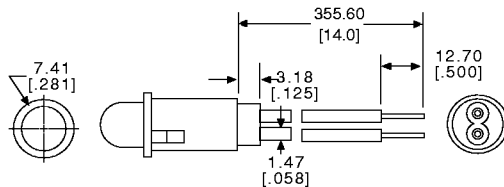
# Dialight

## 559 Series

### STRAIGHT TERMINALS – TERMINAL OPTION 1



### 24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

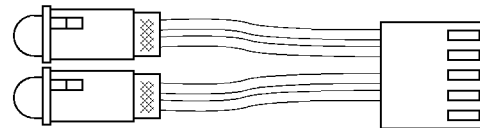
### BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

### CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

### Example



### Typical Operating Characteristics (T<sub>A</sub>=25°C) LOW CURRENT, 2mA, DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	I <sub>v</sub> (mcd)	I <sub>f</sub> (mA)	V <sub>f</sub>		Min Reverse Voltage	Viewing Angle 2Θ <sup>1/2</sup>	Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
559-1101-00x	R	1,3,7	635	2	2	1.8	2.2	5	50	7	-55/+100	-55/+100
559-1201-00x	Y	1,3,7	583	1.8	2	1.9	2.7	5	50	7	-55/+100	-55/+100
559-1301-00x	G	1,3,7	565	1.8	2	1.8	2.2	5	50	7	-55/+100	-55/+100

### Absolute Maximum Ratings

### HIGH EFFICIENCY, DIFFUSED LED

559-2101-00x	R	1,3,7	650	7	10	2.2	2.55	3	50	20	-25/+85	-30/+100
559-2201-00x	G	1,3,7	563	10	10	2.1	3	3	65	25	-25/+85	-30/+100
559-2301-00x	Y	1,3,7	585	6.3	10	2.1	3	3	50	20	-25/+85	-30/+100
559-2501-00x	O	1,3,7	600	7	10	1.9	2.4	5	60	30	-55/+100	-55/+100

### COLOR CODES:

R Red  
G Green  
Y Yellow  
O Orange

### PART NUMBER ORDERING CODE

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

Series

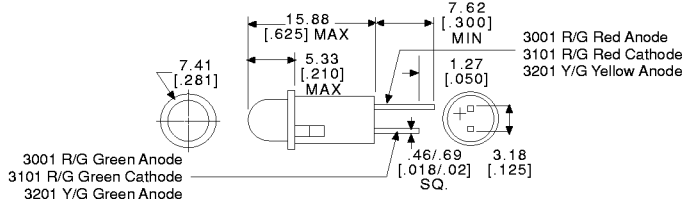
Termination Option  
1 = Straight Terminals  
3 = 6" Wire Leads  
7 = 14" Wire Leads

5mm

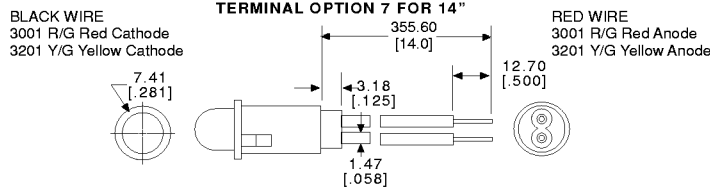
**LED Panel Mount Indicator**  
**2 & 3 Leaded LEDs, Bi-Color**  
**.250" Mounting Hole, Snap In Mounting**

**Dialight**  
**559 Series**

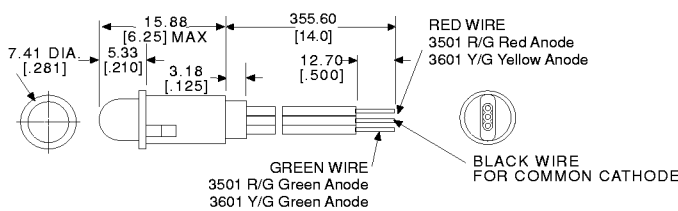
**STRAIGHT TERMINALS – TERMINAL OPTION 1**



**24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"**



**\* BI-COLOR: 559-3501-00X and 559-3601-00X ONLY**  
**3 LEADED WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"**



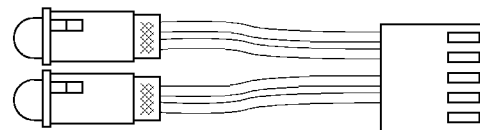
**BENEFITS**

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

**CUSTOM CAPABILITIES**

Connectors and terminals can be added to wire leads

**Example**



**Typical Operating Characteristics (T<sub>A</sub>=25°C)**  
**BI-COLOR, NON-TINTED, DIFFUSED LED**

**Absolute**  
**Maximum Ratings**

Part Number	Color	Termination Options	Peak Wavelength (nm)	I <sub>v</sub> (mcd)	I <sub>f</sub> (mA)	V <sub>f</sub>		Min Reverse Voltage	Viewing Angle 2θ <sup>1/2</sup>	Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
559-3001-00x	R/G	1,3,7	660/565	60/20	20	1.8/2.1	2.4/2.8		80	40/30	-55/+100	-55/+100
559-3101-00x	R/G	1	660/565	60/20	20	1.8/2.1	2.4/2.8		80	40/30	-55/+100	-55/+100
559-3201-00x	Y/G	1,3,7	585/565	8.7/8.7	20	2.1/2.1	2.8/2.8		50	30/20	-55/+100	-55/+100
559-3501-00x	R/G	3*, 7*	635/565	5/8	10	2.1/2.3	2.5/2.7	5	65	30/30	-20/+85	-55/+100
559-3601-00x	Y/G	3*, 7*	583/565	5/8	10	1.6/1.6	2.5/2.5	5	65	30/30	-20/+85	-55/+100

**COLOR CODES:**

R/G Red/Green Bi-Color  
 Y/G Yellow/Green Bi-Color

**PART NUMBER ORDERING CODE**

**5 5 9 - X X X X - 0 0 X**

Series

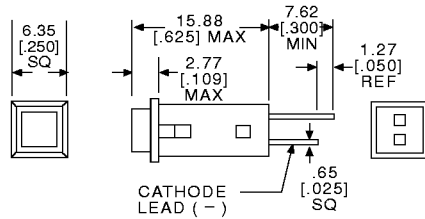
Termination Option  
 1 = Straight Terminals  
 3 = 6" Wire Leads  
 7 = 14" Wire Leads

# Square LED Panel Mount Indicator Diffused LEDs Snap In Mounting

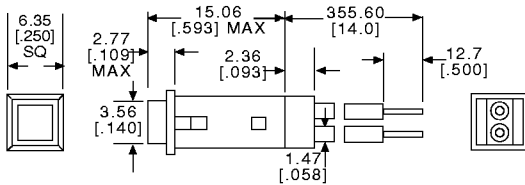
# Dialight

## 559 Series

### STRAIGHT TERMINALS – TERMINAL OPTION 1

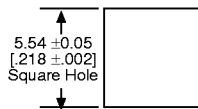


### 24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

### MOUNTING HOLE\*



\* Federal Carbide Punch/Die P/N FSS/FHS, 7/32 or Disco Punch & die Set P/N SSS 732

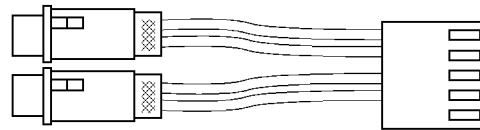
### BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

### CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

### Example



### Typical Operating Characteristics ( $T_A=25^\circ\text{C}$ ) DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	Iv (mcd)	If (mA)	Vf		Min Reverse Voltage	Viewing Angle $2\theta^{1/2}$	Forward Current (mA)	Temperature $^\circ\text{C}$	
						Typ	Max				Operating	Storage
559-4101-00x	R	1,3,7	700	0.9	10	1.9	2.4	3	110	30	-25/+80	-30/+85
559-4201-00x	G	1,3,7	565	0.9	20	2.1	2.8	3	110	30	-25/+80	-30/+85
559-4301-00x	Y	1,3,7	583	3.5	20	2.1	2.8	3	110	35	-25/+80	-30/+85

### Absolute Maximum Ratings

### COLOR CODES:

R Red  
G Green  
Y Yellow

### PART NUMBER ORDERING CODE

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

Series

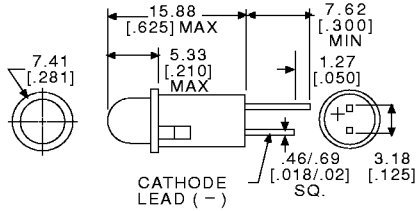
Termination Option  
1 = Straight Terminals  
3 = 6" Wire Leads  
7 = 14" Wire Leads

5mm

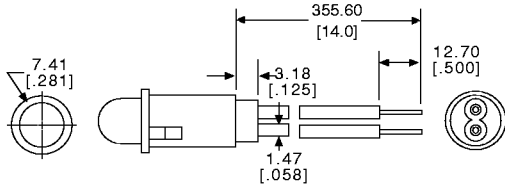
**LED Panel Mount Indicator  
High and Ultra Bright LEDs  
.250" Mounting Hole, Snap In Mounting**



**STRAIGHT TERMINALS – TERMINAL OPTION 1**



**24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"**



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

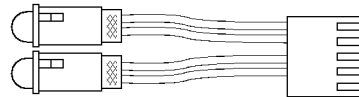
**BENEFITS**

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

**CUSTOM CAPABILITIES**

Connectors and terminals can be added to wire leads

**Example**



**Typical Operating Characteristics (T<sub>A</sub>=25°C)**

**HIGH BRIGHT, DIFFUSED LED**

Part Number	Color	Termination Options	Peak Wavelength (nm)	I <sub>v</sub> (mcd)	I <sub>f</sub> (mA)	V <sub>f</sub>		Min Reverse Voltage	Viewing Angle 2θ <sup>1/2</sup>	Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
559-5101-00x	R	1,3,7	650	34	20	2.1	2.55	3	50	25	-55/+100	-55/+100
559-5201-00x	G	1,3,7	563	34	20	2.2	3	3	50	25	-55/+100	-55/+100
559-5301-00x	Y	1,3,7	583	34	20	2.2	3	3	50	25	-55/+100	-55/+100
559-5401-00x	O	1,3,7	610	34	20	2.2	3	3	50	25	-25/+85	-30/+100

**Absolute Maximum Ratings**

**HIGH BRIGHT, NON-TINTED, NON-DIFFUSED (WATER CLEAR) LED**

559-5501-00x	R	1,3,7	635	125	20	2.2	3	5	24	30	-55/+100	-55/+100
559-5601-00x	G	1,3,7	565	120	20	2.3	3	5	24	30	-20/+100	-55/+100
559-5701-00x	Y	1,3,7	583	140	20	2.2	3	5	24	20	-55/+100	-55/+100
559-5801-00x	O	1,3,7	605	90	20	2.2	2.5	4	20	50	-30/+85	-30/+100

**ULTRA BRIGHT, NON-TINTED, NON-DIFFUSED (WATER CLEAR) LED**

559-5901-00x	A	1,3,7	592	3100	20	2.02	2.4	5	15	50	-40/+100	-40/+120
559-6001-00x	B	1,3,7	470	650	20	3.6	4	5	30	30	-30/+80	-30/+100
559-6101-00x	R	1,3,7	635	2100	20	1.9	2.4	5	15	50	-40/+100	-40/+120
559-6201-00x	G	1,3,7	525	2200	20	3.5	4	5	30	30	-30/+80	-30/+100
559-6301-00x	O	1,3,7	605	1300	20	1.9	2.4	5	15	45	-40/+100	-55/+100
559-6401-00x	W	1,3,7	*	600	20	3.5	4	5	45	30	-20/+80	-30/+100

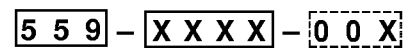
**COLOR CODES:**

- A Amber
- R Red
- G Green
- Y Yellow
- O Orange
- W White
- B Blue

**\* WHITE COLOR COORDINATES:**

	MIN	MAX
X	0.23	0.39
Y	0.22	0.42

**PART NUMBER ORDERING CODE**



Series

Termination Option  
1 = Straight Terminals  
3 = 6" Wire Leads  
7 = 14" Wire Leads