

5mm

LED Panel Mount Indicator

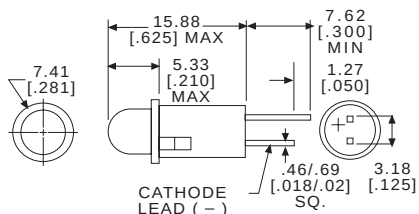
5V or 12V Integral Resistor

.250" Mounting Hole, Snap In Mounting

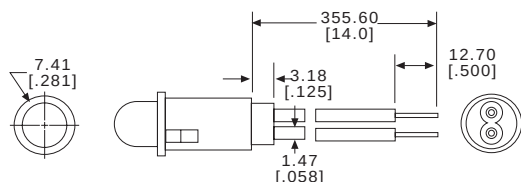
Dialight

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)

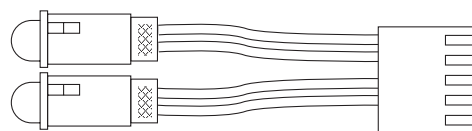
BENEFITS

- 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 ($T_A=25^{\circ}\text{C}$)

DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	Iv Typical (mcd)	Vf Volts (V)	If (mA)		Min Reverse Voltage	Viewing Angle 2 $\theta_{1/2}$	DC Forward Voltage	Temperature $^{\circ}\text{C}$	
						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

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

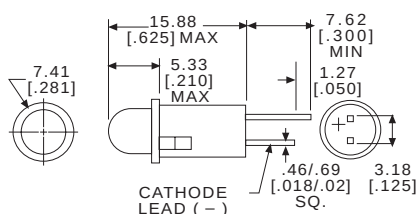
LED Panel Mount Indicator 2mA and High Efficiency LEDs

.250" Mounting Hole, Snap In Mounting

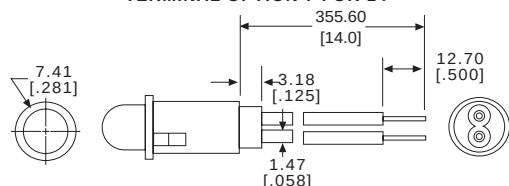
Dialight

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)

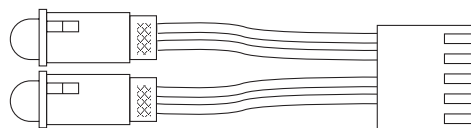
BENEFITS

- 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 ($T_A=25^{\circ}\text{C}$)

LOW CURRENT, 2mA, 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
559-1101-00x	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

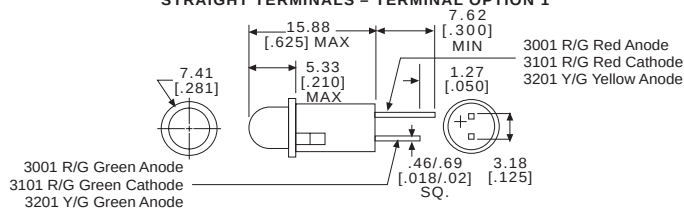
2 & 3 Leaded LEDs, Bi-Color

.250" Mounting Hole, Snap In Mounting

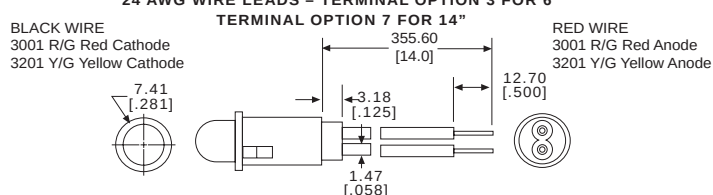
Dialight

559 Series

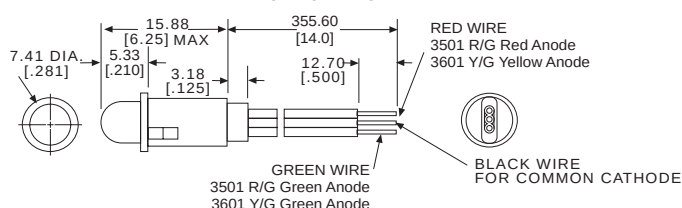
STRAIGHT TERMINALS - TERMINAL OPTION 1



24 AWG WIRE LEADS - TERMINAL OPTION 3 FOR 6"



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



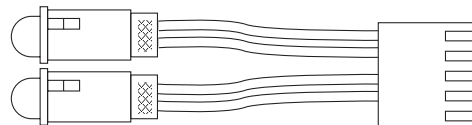
BENEFITS

- 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_A=25°C) BI-COLOR, NON-TINTED, DIFFUSED LED

Absolute Maximum Ratings

Part Number	Color	Termination Options	Peak Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	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

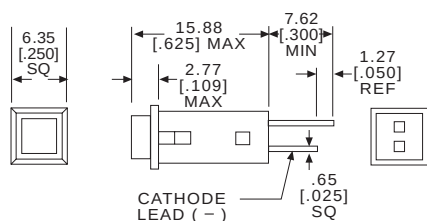
Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

Square LED Panel Mount Indicator Diffused LEDs Snap In Mounting

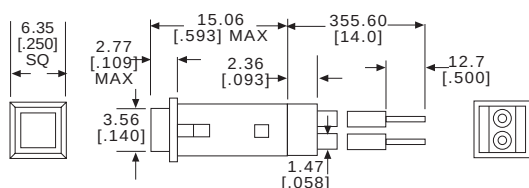
Dialight

559 Series

STRAIGHT TERMINALS – TERMINAL OPTION 1

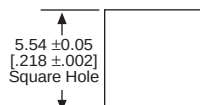


24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



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

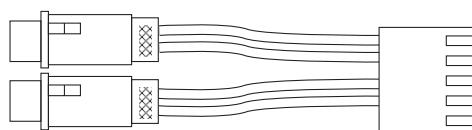
BENEFITS

- 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

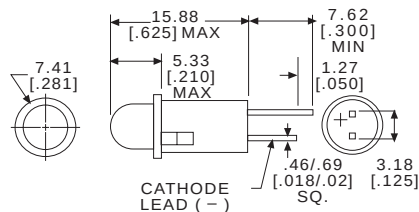
5mm

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

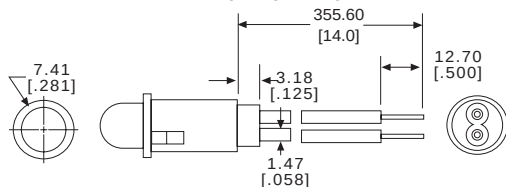
Dialight

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)

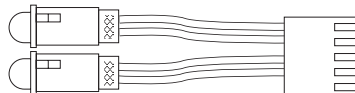
BENEFITS

- 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_A=25°C)

HIGH BRIGHT, DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	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

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

Series

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