

LED PANEL MOUNT INDICATORS

558 SERIES FOR .156" MOUNTING HOLE • SNAP-IN

PART NO.*	COLOR	V _F	mA	mcd†	FIG.
558-0101-001	R	2	10	10	1
558-0201-001	G	2	10	16	1
558-0301-001	Y	2	10	6.3	1
558-0102-001	R	5	13	4.0	1
558-0202-001	G	5	12	8	1
558-0302-001	Y	5	10	8	1
558-1101-001	R	2	2	1.8	1
558-1301-001	G	2	2	1.6	1
558-1201-001	Y	2	2	1.6	1
558-3001-001	R/G	2	10	4	1*

Housing Material: Black Polyester PBT

559 SERIES FOR .250" MOUNTING HOLE • SNAP-IN

PART NO.*	COLOR	V _F	mA	mcd†	FIG.
559-0102-001	R	5	13	2	3
559-0202-001	G	5	12	8	3
559-0302-001	Y	5	10	8	3
559-0103-001	R	12	13	2	3
559-0203-001	G	12	13	4	3
559-0303-001	Y	12	13	8	3
559-1101-001	R	1.8	2	2	3
559-1301-001	G	1.8	2	1.8	3
559-1201-001	Y	1.9	2	1.8	3
559-2101-001	R	2.2	10	7	3
559-2201-001	G	2.1	10	10	3
559-2301-001	Y	2.1	10	6.3	3
559-3101-001	R/G	1.8/2.1	20	60/20	5
559-3001-003	R/G	1.8/2.1	20	60/20	6
559-3501-003	R/G	2.1/2.3	10	5/8	7
559-4101-001	R	1.9	10	0.9	8
559-4201-001	G	2.1	20	0.9	8
559-4301-001	Y	2.1	20	3.5	8
559-5101-001	R	2.1	20	34	3
559-5201-001	G	2.2	20	34	3
559-5301-001	Y	2.2	20	34	3
559-5501-001	R	2.2	20	125	3
559-5601-001	G	2.3	20	120	3
559-5701-001	Y	2.2	20	140	3

Housing Material: Black Polyester PBT

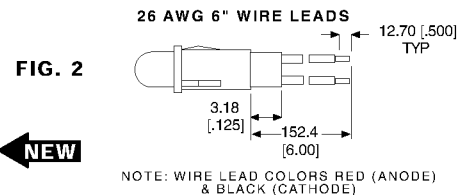
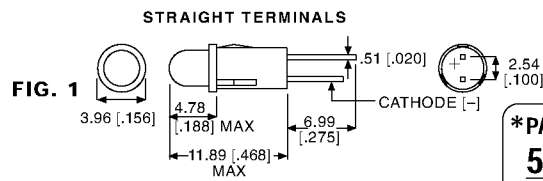
Panel thickness from .787 [.031] to 1.574 [.062]

*PART NUMBER ORDERING CODE

559 - xxxx - 00x

Series

Terminal Type:
001 = Straight Terminals (Fig. 3 & 8)
Fig. 5 Bicolor
003 = 6" Wire Leads (Fig. 4 & 9)
Fig. 6 & 7 Bicolor
007 = 14" Wire Leads (Not Shown)
Contact factory for spec



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

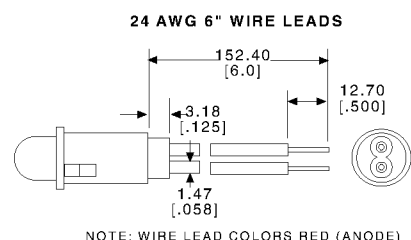
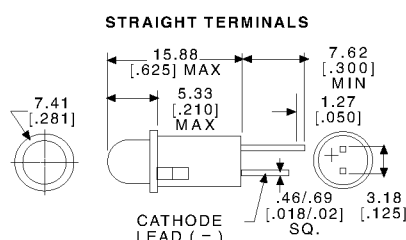
*PART NUMBER ORDERING CODE

558 - xxxx - 00x

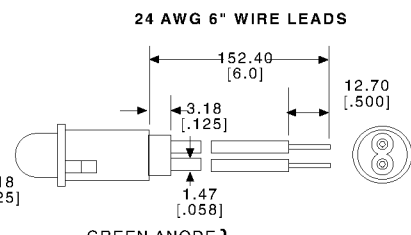
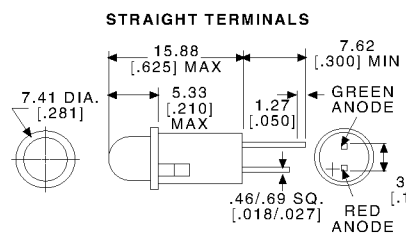
Series

Terminal Type:

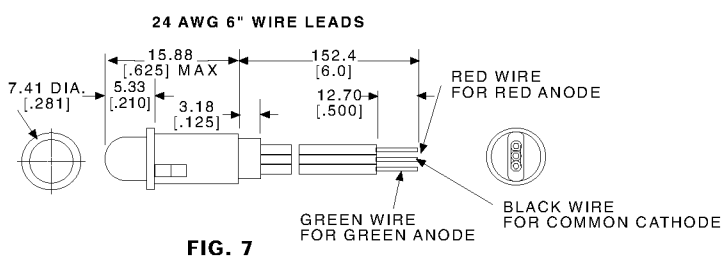
001 = Straight Terminals (Fig. 1)
* Bicolor not shown.
Long Lead Red Anode
Short Lead Green Anode
003 = 6" Wire Leads (Fig. 2)
* Bicolor not shown.
Red Cathode } on Black Lead
Green Anode }
007 = 14" Wire Leads (Not Shown)
* Bicolor not shown.
Red Cathode }
Green Anode }



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

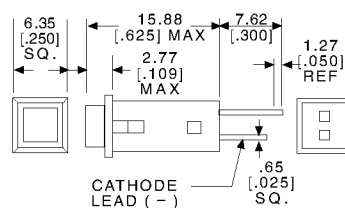


GREEN ANODE } ON BLACK LEAD
RED CATHODE }

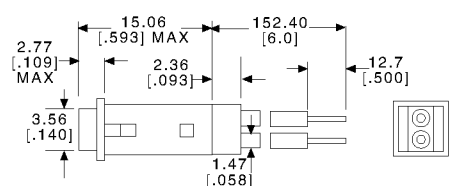


RED WIRE FOR RED ANODE
GREEN WIRE FOR GREEN ANODE
BLACK WIRE FOR COMMON CATHODE

STRAIGHT TERMINALS



24 AWG 6" WIRE LEADS



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

RECOMMENDED
MOUNTING HOLE FOR
FIG. 8 & 9 IS 5.54 [.218] SQ.

† mcd intensity of LED

Dimensions in mm [inches]

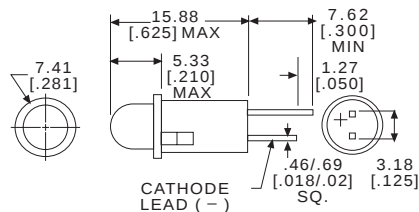
5mm

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

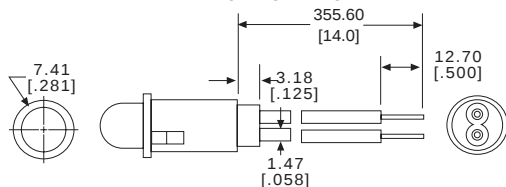
Dialight

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)

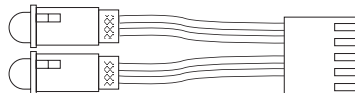
BENEFITS

- 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

5mm

LED Panel Mount Indicator

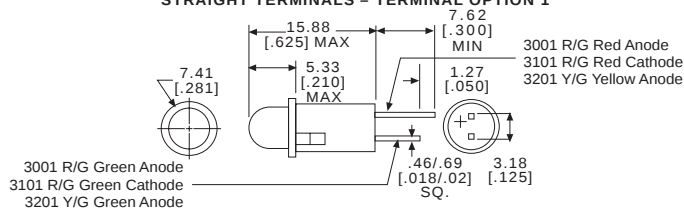
2 & 3 Leaded LEDs, Bi-Color

.250" Mounting Hole, Snap In Mounting

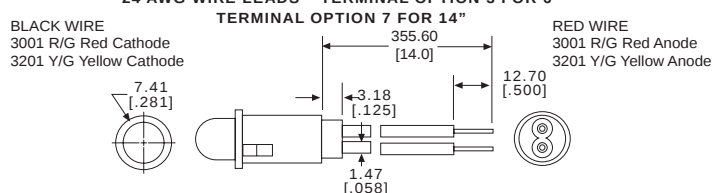
Dialight

559 Series

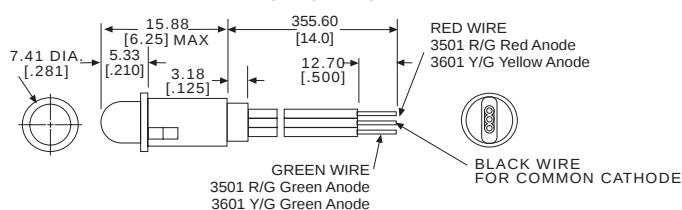
STRAIGHT TERMINALS - TERMINAL OPTION 1



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"



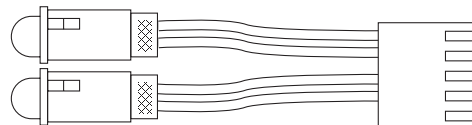
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Example



Typical Operating Characteristics (T_A=25°C) BI-COLOR, NON-TINTED, DIFFUSED LED

Absolute Maximum Ratings

Part Number	Color	Termination Options	Peak Wavelength (nm)	Iv (mcd)	If (mA)	Vf		Min Reverse Voltage	Viewing Angle 2θ1/2	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