

3mm

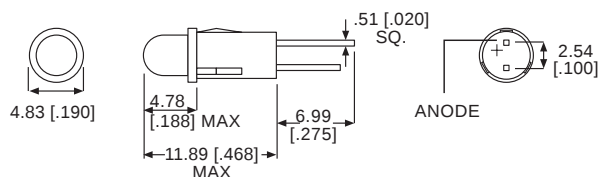
LED Panel Mount Indicator

.156" Mounting Hole, Snap In Mounting

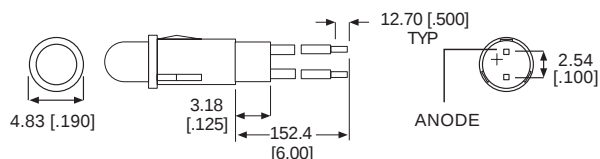
Dialight

558 Series

STRAIGHT TERMINALS – TERMINAL OPTION 1



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



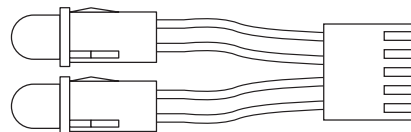
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

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 3.94mm [.155] to 4.01mm [.158]. Wire: 26 AWG
- 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



Typical Operating Characteristics (T_A=25°C) HIGH EFFICIENCY, DIFFUSED LED

Absolute Maximum Ratings

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f Volts (V)		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Max Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
558-0101-00x	R	1,3,7	650	10	10	2	3	3*	45	20	-25/+85	-30/+100
558-0201-00x	G	1,3,7	563	16	10	2.1	3	3*	45	25	-25/+85	-30/+100
558-0301-00x	Y	1,3,7	585	6.3	10	2.1	3	3*	45	20	-25/+85	-30/+100
558-0401-00x	O	1,3,7	600	6.5	10	2.2	3	5†	60	25	-55/+100	-55/+100

ULTRA BRIGHT, WATER CLEAR LED

558-0501-00x	G	1,3,7	565	70	20	2.1	2.8	5†	45	30	-55/+100	-55/+100
558-0601-00x	A	1,3,7	594	200	20	1.9	2.4	5†	45	50	-40/+100	-55/+100
558-0701-00x	R	1,3,7	660	170	20	1.8	2.4	4†	45	40	-55/+100	-55/+100

LOW CURRENT, 2mA, LED

558-1101-00x	R	1,3,7	635	1.8	2	1.8	2.2	5**	50	7	-55/+100	-55/+100
558-1201-00x	Y	1,3,7	583	1.6	2	1.9	2.7	5**	50	7	-20/+100	-55/+100
558-1301-00x	G	1,3,7	565	1.6	2	1.8	2.2	5**	50	7	-55/+100	-55/+100

COLOR CODES:

R Red
G Green
Y Yellow
O Orange
A Amber

* I_R = 10μA
** I_R = 50μA
† I_R = 100μA

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X
Series

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

3mm

LED Panel Mount Indicator

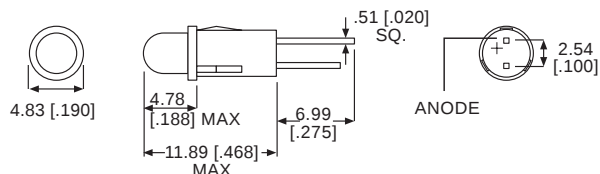
5V Integral Resistor

.156" Mounting Hole, Snap In Mounting

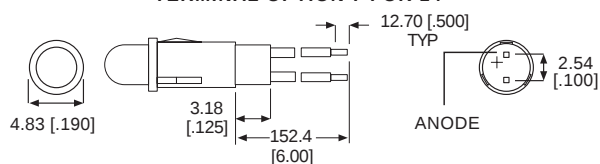
Dialight

558 Series

STRAIGHT TERMINALS – TERMINAL OPTION 1



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



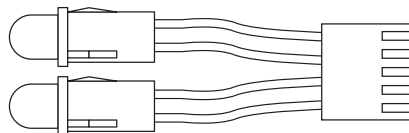
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- Black housing enhances LED contrast
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CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



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

DIFFUSED LED

Absolute

Maximum Ratings

Part Number	Color	Termination Options	λ_{Peak} Wavelength (nm)	I_v (mcd)	I_f (mA)		V_f Volts (V)	Min Reverse Voltage	Viewing Angle $2\theta_{1/2}$	Max DC Forward Voltage (V)	Temperature $^\circ\text{C}$	
					Typ	Max					Operating	Storage
558-0102-00x	R	1,3,7	635	4	10	15	5	5 [†]	60	7.5	-40/+85	-55/+100
558-0202-00x	G	1,3,7	565	8	12	15	5	5 [†]	60	7.5	-20/+85	-55/+100
558-0302-00x	Y	1,3,7	583	8	10	15	5	5 [†]	60	7.5	-40/+85	-55/+100

COLOR CODES:

R Red
G Green
Y Yellow

[†] IR = 100 μA

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X

Series

Termination Option
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7 = 14" Wire Leads

3mm

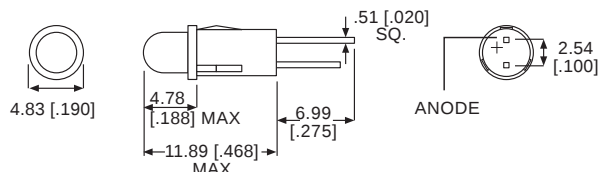
LED Panel Mount Indicator

.156" Mounting Hole, Snap In Mounting

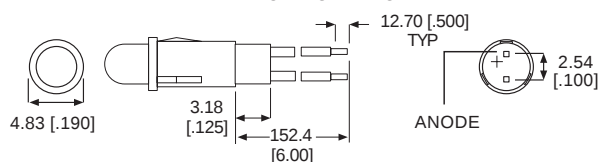
Dialight

558 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



26 AWG 6" WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



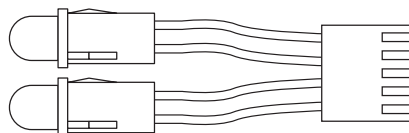
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- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



Typical Operating Characteristics (T_A=25°C) SUPER BRIGHT, NON-DIFFUSED LED

Absolute Maximum Ratings

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f Volts (V)		Min Reverse Voltage	Viewing Angle 2θ ^{1/2}	Max Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
558-1501-00x	G	1,3,7	565	70	10	2.1	2.8	5'	45	30	-55/+100	-55/+100
558-1601-00x	Y	1,3,7	585	19	10	2.1	2.8	5'	45	20	-55/+100	-55/+100
558-1701-00x	R	1,3,7	660	135	20	1.8	2.4	4'	45	40	-55/+100	-55/+100

SUPER BRIGHT, DIFFUSED LED

558-1801-00x	R	1,3,7	660	60	20	1.8	2.4	4'	60	40	-55/+100	-55/+100
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COLOR CODES:

R Red
G Green
Y Yellow

† IR = 100μA

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X
Series

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3mm

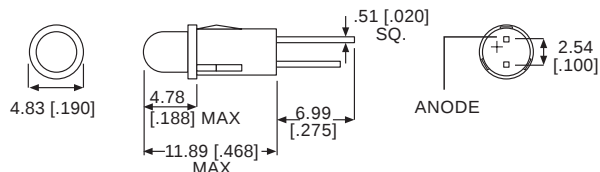
LED Panel Mount Indicator

.156" Mounting Hole, Snap In Mounting

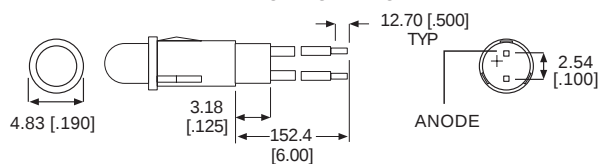
Dialight

558 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



26 AWG 6" WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



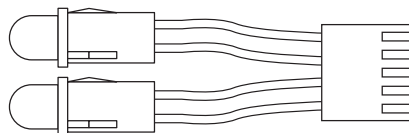
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CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



Typical Operating Characteristics (T_A=25°C)

BI-COLOR LED

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f Volts (V)		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Max Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
558-3001-00x	R/G	1,3,7	635/565	5/5	10	2/2	2.6/2.6	—	50	40/40	-55/+100	-55/+100
558-3101-00x	R/G	1,3,7	660/565	12.6/3.7	20	1.8/2.1	2.4/2.8	—	100	40/30	-55/+100	-55/+100
558-3201-00x	Y/G	1,3,7	585/565	6.3/4.3	20	2.1/2.1	2.8/2.8	—	80	20/30	-55/+100	-55/+100

Absolute

Maximum Ratings

COLOR CODES:

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

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X
Series

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