

# 3mm

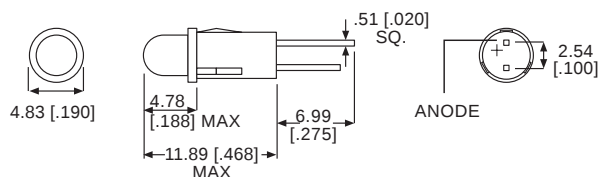
## LED Panel Mount Indicator

### .156" Mounting Hole, Snap In Mounting

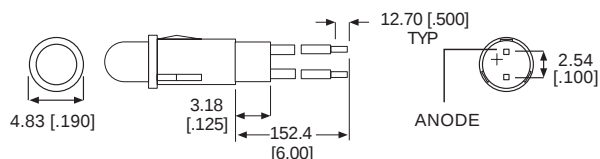
# Dialight

## 558 Series

#### STRAIGHT TERMINALS – TERMINAL OPTION 1



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



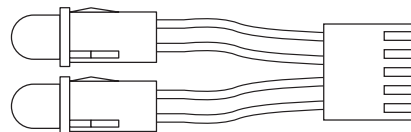
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

#### 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<sub>A</sub>=25°C) HIGH EFFICIENCY, DIFFUSED LED

| Part Number  | Color | Termination Options | λ <sub>Peak</sub> Wavelength (nm) | I <sub>v</sub> (mcd) | I <sub>f</sub> (mA) | V <sub>f</sub> Volts (V) |     | Min Reverse Voltage | Viewing Angle 2θ <sub>1/2</sub> | 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 |

#### Absolute Maximum Ratings

#### 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<sub>R</sub> = 10μA  
\*\* I<sub>R</sub> = 50μA  
† I<sub>R</sub> = 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

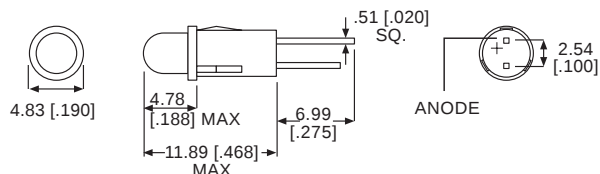
### 5V Integral Resistor

#### .156" Mounting Hole, Snap In Mounting

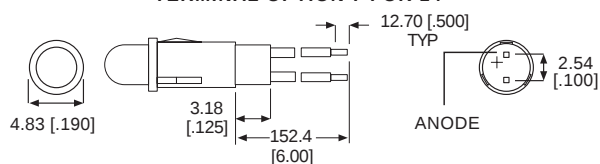
# Dialight

## 558 Series

#### STRAIGHT TERMINALS - TERMINAL OPTION 1



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



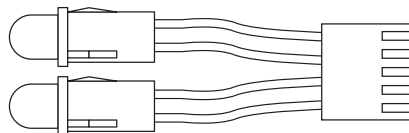
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

#### 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<sub>A</sub>=25°C)

##### DIFFUSED LED

| Part Number  | Color | Termination Options | λ <sub>Peak</sub> Wavelength (nm) | I <sub>v</sub> (mcd) | I <sub>f</sub> (mA) |     | V <sub>f</sub> Volts (V) | Min Reverse Voltage | Viewing Angle 2θ <sub>1/2</sub> | Max DC Forward Voltage (V) | Temperature °C |          |
|--------------|-------|---------------------|-----------------------------------|----------------------|---------------------|-----|--------------------------|---------------------|---------------------------------|----------------------------|----------------|----------|
|              |       |                     |                                   |                      | Typ                 | Max |                          |                     |                                 |                            | Operating      | Storage  |
| 558-0102-00x | R     | 1,3,7               | 635                               | 4                    | 10                  | 15  | 5                        | 5 <sup>†</sup>      | 60                              | 7.5                        | -40/+85        | -55/+100 |
| 558-0202-00x | G     | 1,3,7               | 565                               | 8                    | 12                  | 15  | 5                        | 5 <sup>†</sup>      | 60                              | 7.5                        | -20/+85        | -55/+100 |
| 558-0302-00x | Y     | 1,3,7               | 583                               | 8                    | 10                  | 15  | 5                        | 5 <sup>†</sup>      | 60                              | 7.5                        | -40/+85        | -55/+100 |

#### Absolute

#### Maximum Ratings

#### COLOR CODES:

R Red  
G Green  
Y Yellow

<sup>†</sup> IR = 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

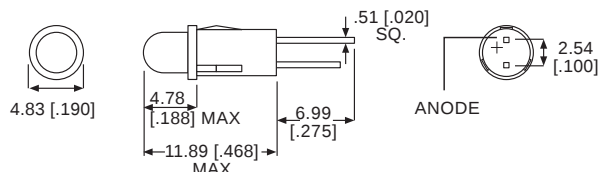
## LED Panel Mount Indicator

### .156" Mounting Hole, Snap In Mounting

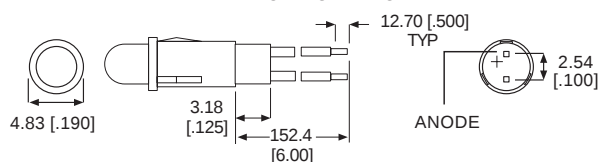
# Dialight

## 558 Series

#### STRAIGHT TERMINALS - TERMINAL OPTION 1



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



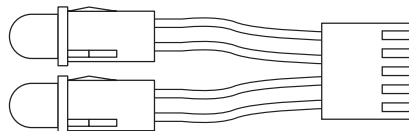
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

#### 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<sub>A</sub>=25°C) SUPER BRIGHT, NON-DIFFUSED LED

#### Absolute Maximum Ratings

| Part Number  | Color | Termination Options | λ <sub>Peak</sub> Wavelength (nm) | I <sub>v</sub> (mcd) | I <sub>f</sub> (mA) | V <sub>f</sub> Volts (V) |     | Min Reverse Voltage | Viewing Angle 2θ <sup>1/2</sup> | 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 |
|--------------|---|-------|-----|----|----|-----|-----|----|----|----|----------|----------|

#### 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

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

# 3mm

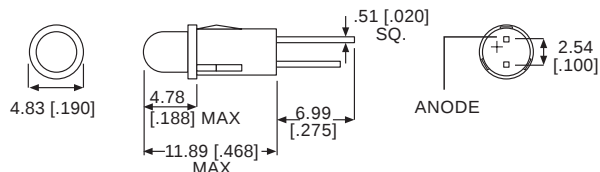
## LED Panel Mount Indicator

### .156" Mounting Hole, Snap In Mounting

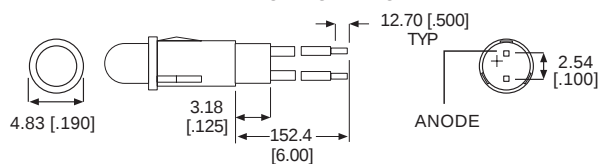
# Dialight

## 558 Series

#### STRAIGHT TERMINALS - TERMINAL OPTION 1



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



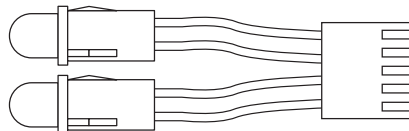
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

#### 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<sub>A</sub>=25°C)

##### BI-COLOR LED

| Part Number  | Color | Termination Options | λ <sub>Peak</sub> Wavelength (nm) | I <sub>v</sub> (mcd) | I <sub>f</sub> (mA) | V <sub>f</sub> Volts (V) |         | Min Reverse Voltage | Viewing Angle 2θ <sub>1/2</sub> | 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