

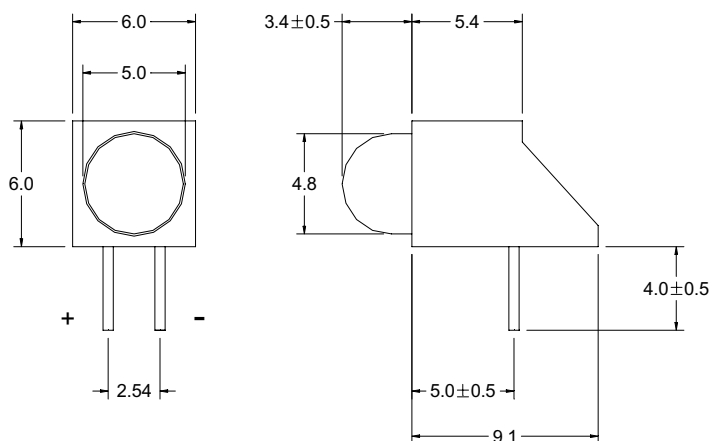


## DESCRIPTION

Holder Color : Black Color

## PACKAGE CONFIGURATION

Tolerance :  $\pm 0.25$  mm

[illegible]

### ABSOLUTE MAXIMUM RATINGS AT $T_a = 25^\circ\text{C}$

| PARAMETER                                                         | MAX         | UNIT   |
|-------------------------------------------------------------------|-------------|--------|
| Power Dissipation                                                 | 40          | mW     |
| Continuous Forward Current                                        | 15          | mA     |
| Peak Forward Current ( 1/10 Duty Cycle , 0.1ms Pulse Width )      | 60          | mA     |
| Reverse Voltage                                                   | 5           | V      |
| Derating Linear From 25 °C                                        | 0.15        | mA/ °C |
| Operating Temperature Range                                       | −30 °C to + | 85 °C  |
| Storage Temperature Range                                         | −40 °C to + | 100 °C |
| Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 seconds |             |        |

### ELECTRICAL / OPTICAL CHARACTERISTICS AT $T_a = 25\text{ }^{\circ}\text{C}$

| SYMBOL            | PARAMETER                | TEST COND.            | MIN. | TYP. | MAX. | UNIT |
|-------------------|--------------------------|-----------------------|------|------|------|------|
| V <sub>F</sub>    | Forward Voltage          | I <sub>F</sub> = 20mA |      | 2.2  | 2.8  | V    |
| I <sub>R</sub>    | Reverse Current          | V <sub>R</sub> = 5V   |      |      | 100  | μA   |
| λ <sub>p</sub>    | Peak Emission Wavelength | I <sub>F</sub> = 20mA |      | 595  |      | nm   |
| λ <sub>d</sub>    | Dominant Wavelength      | I <sub>F</sub> = 20mA |      | 640  |      | nm   |
| 2θ <sub>1/2</sub> | Viewing Angle            | I <sub>F</sub> = 20mA |      | 30   |      | Deg  |
| I <sub>v</sub>    | Luminous intensity       | I <sub>F</sub> = 10mA | 2    | 3    |      | mcd  |

\*  $\theta_{1/2}$  is the off-axis angle where the luminous intensity is one half the on-axis intensity.