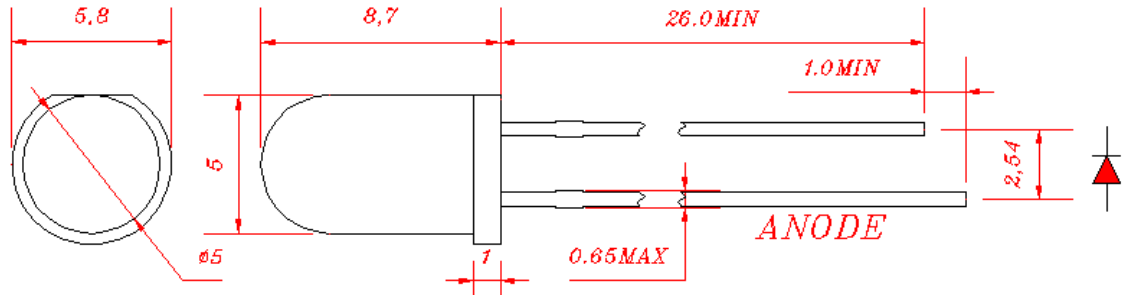


# SLR-050440-676-T

5 mm Round Type LEDs Series

## PACKAGE DIMENSION



### Selection Guide

| Part No.         | Chip:        |               | Lens Color  | Iv(mcd)(If=20mA) |       |     | Viewing Angle<br>(2θ½) |
|------------------|--------------|---------------|-------------|------------------|-------|-----|------------------------|
|                  | Raw Material | Emitted Color |             | MIN              | TYP   | MAX |                        |
| SLR-050440-676-T | AlGaInP      | Red           | Water Clear | 7000             | 10000 | -   | 10°                    |

### Absolute Maximum Ratings(Ta=25C°)

| Item                                                     | Symbol                              | Maximum             | Unit |
|----------------------------------------------------------|-------------------------------------|---------------------|------|
| Power Dissipation                                        | P <sub>D</sub>                      | 72                  | mW   |
| Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width) | I <sub>FP</sub>                     | 90                  | mA   |
| Continuous Forward Current                               | I <sub>Fmax</sub>                   | 25                  | mA   |
| Reverse Voltage                                          | V <sub>R</sub>                      | 5                   | V    |
| Capacitance                                              | C                                   | 20                  | pF   |
| Operating / Storage Temperature Range                    | T <sub>opr</sub> / T <sub>stg</sub> | -40°C to +85°C      |      |
| Lead Solder Temperature                                  | T <sub>sol</sub>                    | 260°C for 3 seconds |      |

### Electrical / Optical Characteristics(Ta=25C°)

| Item                | Symbol         | Min. | Typ. | Max. | Unit | Condition            |
|---------------------|----------------|------|------|------|------|----------------------|
| Peak Wavelength     | λ <sub>p</sub> | -    | 630  | -    | nm   | I <sub>F</sub> =20mA |
| Dominant Wavelength | λ <sub>d</sub> | 620  | 625  | 630  | nm   | I <sub>F</sub> =20mA |
| Forward Voltage     | V <sub>F</sub> | 1.8  | 2.1  | 2.5  | V    | I <sub>F</sub> =20mA |
| Reverse Current     | I <sub>R</sub> | -    | -    | 10   | uA   | V <sub>R</sub> =5V   |

#### NOTES:

1. All dimensions are in millimeter(inch);
2. Tolerance is ±0.25mm(0.01") especially other specified; Luminous intensity tolerance is ±10%;
3. Dominant Emission Wavelength tolerance is ±5%; Specifications are subject to change without notice.