

TOL-504UECD

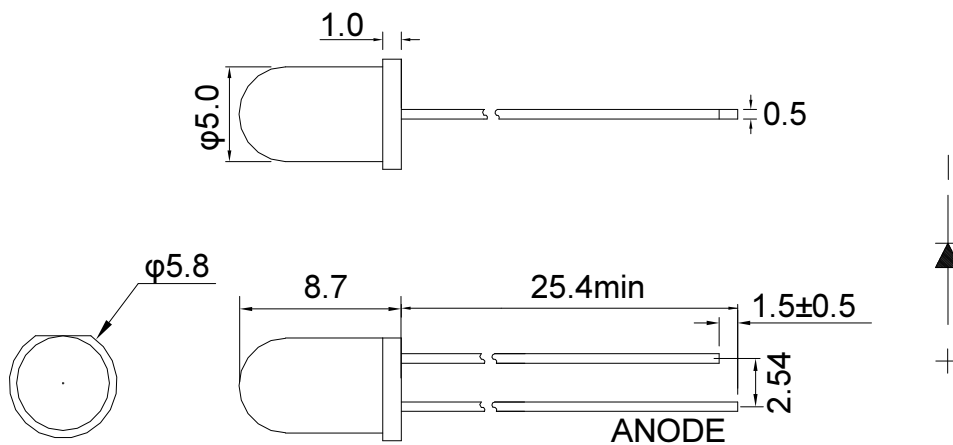
Lamp LED

| Part Number | Chip | | Lens Color |
|-------------|----------|--------------|--------------|
| | Material | Source Color | |
| TOL-504UECD | AlGaInP | ULTRA ORANGE | Red Diffused |

Features

- I.C. compatible
- Low power consumption
- Compatible with wave soldering process
- 5mm diameter package
- Long life, stable and reliable
- RoHS compliant

Dimensions



Notes:

1. All dimensions are in millimeter.
2. Tolerance is ± 0.25 mm unless otherwise noted

Absolute Maximum Rating @ Ta=25°C

| Parameter | Maximum Rating | Unit |
|--|---------------------|------|
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100 | mA |
| Power Dissipation | 105 | mW |
| Continuous Forward Current | 20 | mA |
| Reverse Voltage | 5 | V |
| Operating Temperature Range | -40°C to +80°C | |
| Storage Temperature Range | -40°C to +100°C | |
| Wave Soldering Profile For Lead-free Soldering | 260°C for 5 Seconds | |

Electrical / Optical Characteristic @ Ta=25°C

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
|--------------------------|-------------------|------|------|------|------|----------------------|
| Luminous Intensity | I _v | 250 | | 330 | mcd | I _F =20mA |
| Viewing Angle | 2θ _{1/2} | | 40 | | deg | I _F =20mA |
| Dominant Wavelength | λ _d | | 625 | | nm | I _F =20mA |
| Spectral Line Half-Width | Δλ | | 18 | | nm | I _F =20mA |
| Forward Voltage | V _F | | 2.0 | | V | I _F =20mA |
| Reverse Current | I _R | | | 10 | μA | V _R =5V |