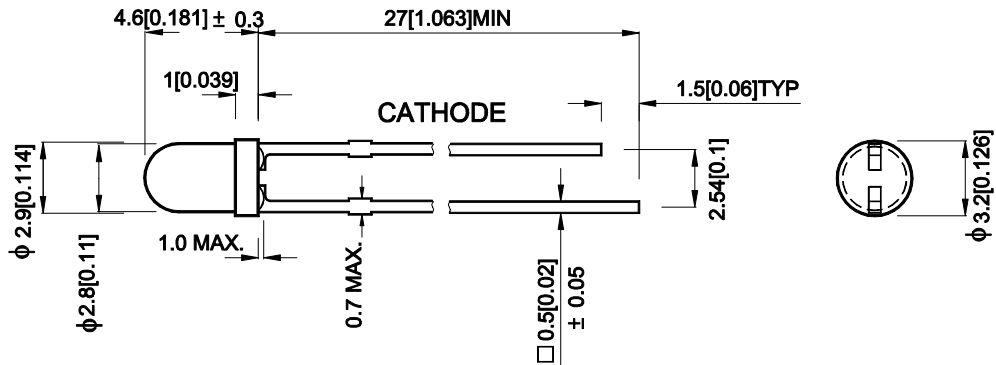


T-1 (3mm) ROUND LED LAMP



UNIT : MM(INCH)
TOLERANCE : ± 0.25(± 0.01)

*** Absolute Maximum Ratings**

| Item | Symbol | Rating | Unit |
|--|-----------|---------|------|
| DC Forward Current | I_F | 30 | mA |
| Reverse Voltage | V_R | 5 | V |
| Forward Current (peak) 1/10 Duty Cycle 0.1ms Pulse Width | i_{FS} | 100 | mA |
| Operating Temperature | T_{opr} | -20~+80 | ° C |
| Storage Temperature | T_{stg} | -30~+85 | ° C |

*** Electrical and Optical Characteristics ($T_A=25^\circ C$)**

| Item | Symbol | Condition | Min. | Typ. | Max. | UNIT |
|--------------------------|-----------------|------------|------|------|------|------|
| Forward Voltage | V_F | $I_F=20mA$ | - | 3.5 | 4.0 | V |
| Reverse Current | I_R | $V_R=5V$ | - | - | 10 | uA |
| Peak Emission Wavelength | λ_p | $I_F=20mA$ | - | 470 | - | nm |
| Spectral half-width | $\Delta\lambda$ | $I_F=20mA$ | - | 26 | - | nm |

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) @20mA | | Viewing Angle |
|-----------|--------------|-------------|-------------------|------|------------------|
| | | | Min. | Typ. | 2 θ 1/2 |
| L-7104PBC | BLUE (InGaN) | WATER CLEAR | 400 | 550 | 20° |

| | | | | |
|--------------------|--------------------|----------------------|------------------|--|
| APPROVED: J. Lu | CHECKED: A.Ting | DRAWN : L.N. Sheu | SCALE : 3 : 1 | DATA NO. : F3212 DATE : JAN/25/2000 |
|--------------------|--------------------|----------------------|------------------|--|