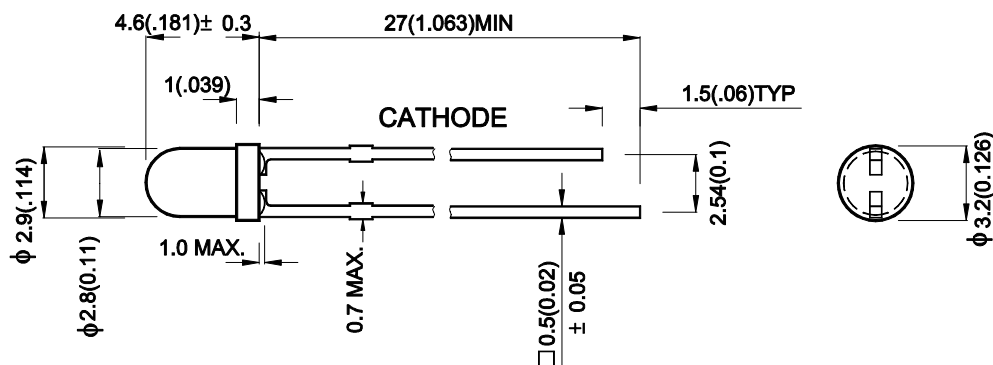


## T 1 (3mm) ROUND LED LAMP



UNIT : MM[INCH]

TOLERANCE :  $\pm 0.25[\pm 0.01]$  UNLESS OTHERWISE NOTED.

## \* Absolute Maximum Ratings

| Item                  | Symbol    | Rating  | Unit |
|-----------------------|-----------|---------|------|
| Forward Current       | $I_F$     | 25      | mA   |
| Reverse Voltage       | $V_R$     | 5       | V    |
| Power Dissipation     | $P_O$     | 105     | mW   |
| Operating Temperature | $T_{opr}$ | -40~+85 | ° C  |
| Storage Temperature   | $T_{stg}$ | -40~+85 | ° C  |

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

| Item                     | Symbol          | Condition              | Min. | Typ. | Max. | UNIT |
|--------------------------|-----------------|------------------------|------|------|------|------|
| Forward Voltage          | $V_F$           | $I_F=20\text{mA}$      | -    | 2.25 | 2.5  | V    |
| Reverse Current          | $I_R$           | $V_R=5\text{V}$        | -    | 10   | -    | uA   |
| Peak Emission Wavelength | $\lambda_P$     | $I_F=20\text{mA}$      | -    | 565  | -    | nm   |
| Spectral half-width      | $\Delta\lambda$ | $I_F=20\text{mA}$      | -    | 25   | -    | nm   |
| Capacitance              | $C$             | $V_F=0, f=1\text{MHz}$ | -    | 20   | -    | pF   |

## Selection Guide

| Part No. | Dice                        | Lens Type         | $I_v$ (mcd)<br>@20mA |      | Viewing<br>Angle |
|----------|-----------------------------|-------------------|----------------------|------|------------------|
|          |                             |                   | Min.                 | Typ. | 2 $\theta$ 1/2   |
| L-934MGT | MAGA BRIGHT GREEN (InGaAlP) | GREEN TRANSPARENT | 150                  | 250  | 35°              |
| L-934MGD |                             | GREEN DIFFUSED    | 90                   | 130  | 60°              |
| L-934MGC |                             | WATER CLEAR       | 300                  | 500  | 35°              |

APPROVED:

J.Lu

CHECKED:

A.Wu

DRAWN :

L.N. Sheu

SCALE :

3 : 1

DATA NO. : F6060

V.1

DATE : MAY/25/2000