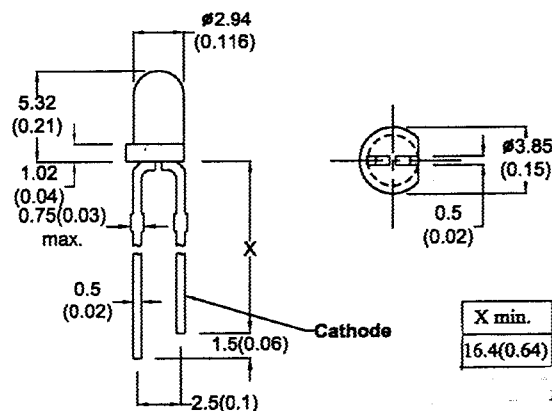


## DESCRIPTION

MI32T is GaAlAs infrared emitting diode molded in 3mm diameter clear transparent lens.



- All dimension in mm(inch)
- No Scale
- Tol. :  $\pm 0.3$ mm

## ABSOLUTE MAXIMUM RATINGS

|  |                  |
|--|------------------|
| Forward Current (Continuous)                 | 100mA            |
| Pulse Forward Current                        | 1A*              |
| Reverse Voltage (Continuous)                 | 6V               |
| Power Dissipation                            | 160mW            |
| Operating Temperature Range                  | -25 to +85°C     |
| Lead Soldering Temperature (1/16" from body) | 260°C for 5 sec. |

\* Pulse Width = 10 $\mu$ s, Duty Ratio = 0.01.

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER                 | SYMBOL          | MIN | TYP | MAX | UNIT    | CONDITIONS |
|---------------------------|-----------------|-----|-----|-----|---------|------------|
| Radiant Power Output      | Po              |     | 0.5 |     | mW      | IF=20mA    |
| Forward Voltage           | VF              |     |     | 1.6 | V       | IF=20mA    |
| Reverse Current           | IR              |     |     | 100 | $\mu$ A | VR=5V      |
| Half Intensity Beam Angle | $\theta_{HI}$   |     | 35  |     | degree  | IF=20mA    |
| Peak Wavelength           | $\lambda_p$     |     | 940 |     | nm      | IF=20mA    |
| Spectrum Line Half Width  | $\Delta\lambda$ |     | 45  |     | nm      | IF=20mA    |



MICRO ELECTRONICS LTD.

38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.

Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex: 43510 Micro Hx. Tel: 2343 0181-5

MI 32T

