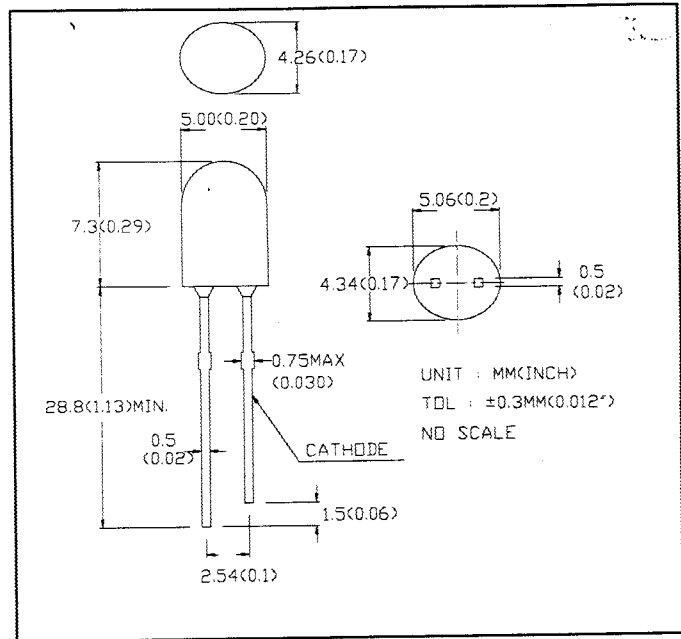


# MICRO ELECTRONICS

5MM  
 OVAL TYPE  
 HIGH BRIGHTNESS  
 RED LED LAMP

## DESCRIPTION

MSB2310TK-5B is a high brightness AlGaInP/GaAs red LED lamp encapsulated in a 5mm diameter oval shape clear transparent lens.



## ABSOLUTE MAXIMUM RATINGS

|  |                  |
|--|------------------|
| Power Dissipation @ Ta=25°C                  | 100mW            |
| Forward Current, DC (IF)                     | 40mA             |
| Reverse Voltage                              | 5V               |
| Operating Temperature Range                  | -20 to +80°C     |
| Storage Temperature Range                    | -30 to +100°C    |
| Lead Soldering Temperature (1/16" from body) | 260°C for 5 sec. |

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

| PARAMETER                        | SYMBOL | MIN | TYP | MAX | UNIT   | CONDITIONS |
|----------------------------------|--------|-----|-----|-----|--------|------------|
| Forward Voltage                  | VF     |     | 2.1 | 2.5 | V      | IF=20mA    |
| Reverse Breakdown Voltage        | BVR    | 5   |     |     | V      | IR=100µA   |
| Luminous Intensity MSB2310TK -5B | IV     | 300 | 600 |     | mcd    | IF=20mA    |
| Peak Wavelength                  | λp     |     | 632 |     | nm     | IF=20mA    |
| Spectral Line Half Width         | Δλ     |     | 22  |     | nm     | IF=20mA    |
| Viewing Angle                    | 2θ 1/2 |     | 100 |     | degree | IF=20mA    |



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Jan-01