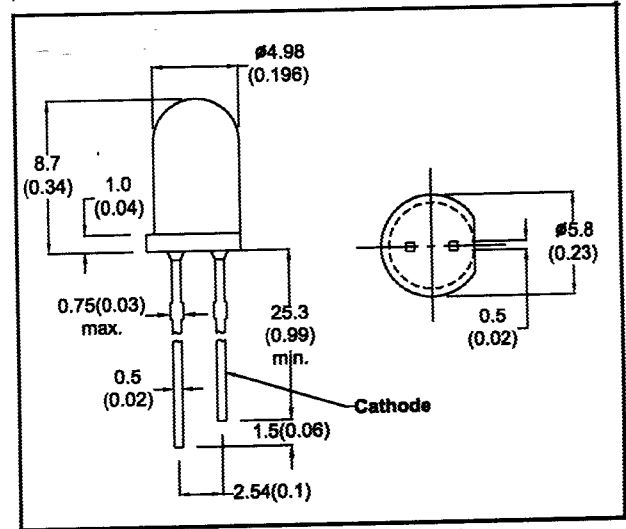


DESCRIPTION

MSB51TA-B is an ultra high brightness output red AlGaInP LED lamp encapsulated in a 5mm diameter clear transparent lens. 3 brightness grouping is provided for customer's selection.



- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

ABSOLUTE MAXIMUM RATINGS

| | |
|--|------------------|
| Power Dissipation @ Ta=25°C | 100mW |
| Forward Current, DC (IF) | 40mA |
| Reverse Voltage | 5V |
| Operating & Storage Temperature Range | -55 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 | | | 2.6 | V | IF=20mA |
| Reverse Breakdown Voltage | BVR | 5 | | | V | IR=100μA |
| Luminous Intensity | IV | | | | mcd | IF=20mA |
| | -3B | 900 | 1300 | | | IF=20mA |
| | -4B | 1300 | 1800 | | | IF=20mA |
| | -5B | 1800 | 2500 | | | IF=20mA |
| Peak Wavelength | λp | | 645 | | nm | IF=20mA |
| Spectral Line Half Width | Δλ | | 22 | 25 | nm | IF=20mA |
| Viewing Angle | 2θ 1/2 | | 20 | | degree | IF=20mA |



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