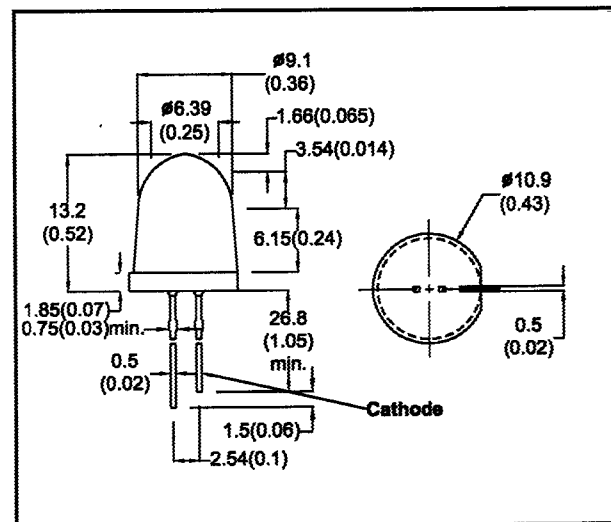


DESCRIPTION

MGB90TA-X is high efficiency green LED lamp encapsulated in a 10mm diameter clear transparent lens with an optimum viewing angle.



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

ABSOLUTE MAXIMUM RATINGS

| | |
|---------------------------------------|---------------|
| Power Dissipation @ Ta=25°C | 100mW |
| Forward Current, DC (IF) | 30mA |
| Reverse Voltage | 5V |
| Operating & Storage Temperature Range | -55 to +100°C |
| Lead Temperature | 260°C |

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNIT | CONDITIONS |
|---------------------------|--------|------|------|-----|--------|------------|
| Forward Voltage | VF | | | 3 | V | IF=20mA |
| Reverse Breakdown Voltage | BVR | 5 | | | V | IR=100 μA |
| Luminous Intensity | IV | | | | mcd | IF=20mA |
| MGB90TA or MGB90TA-1 | | 450 | 900 | | mcd | IF=20mA |
| MGB90TA-2 | | 750 | 1150 | | mcd | IF=20mA |
| MGB90TA-3 | | 1000 | 1400 | | mcd | IF=20mA |
| Peak Wavelength | λp | | 570 | | nm | IF=20mA |
| Spectral Line Half Width | Δλ | | 30 | | nm | IF=20mA |
| Viewing Angle | 2Θ/2 | | 16 | | degree | IF=20mA |



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