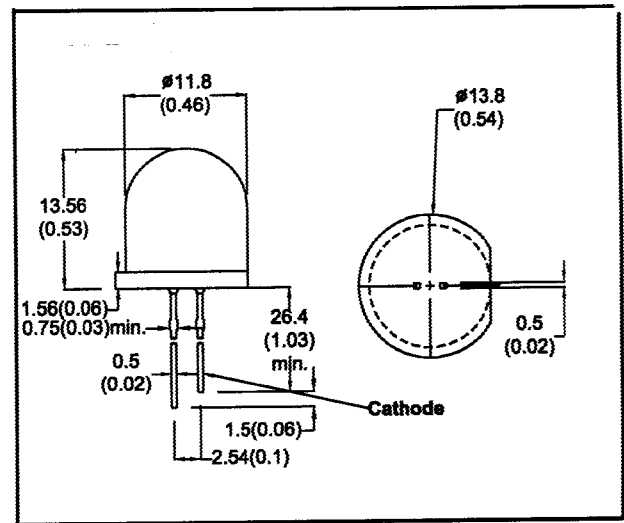


DESCRIPTION

MGB120D is high brightness GaP green LED lamp encapsulated in a 12mm diameter large package, green diffused lens.



- 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 Soldering Temperature (1/16" form body) | 260°C for 5 sec. |

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNIT | CONDITIONS |
|---------------------------|--------|-----|-----|-----|--------|------------|
| Forward Voltage | VF | | 2.2 | 3.0 | V | IF=20mA |
| Reverse Breakdown Voltage | BVR | 5 | | | V | IR=100μA |
| Luminous Intensity | IV | 20 | 40 | | mcd | IF=20mA |
| Peak Wavelength | λp | | 570 | | nm | IF=20mA |
| Spectral Line Half Width | Δλ | | 30 | | nm | IF=20mA |
| Viewing Angle | 2θ 1/2 | | 66 | | degree | 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