

DESCRIPTION

The MBB33TA is a efficient GaN blue LED with a 430nm peak wavelength, It is encapsulated in a 3.0mm diameter package with flangeless and clear transparent lens.

FEATURES

High Performance - 700 μ W
Superior SiC substrate technology
430nm peak wavelength
Excellent chip to chip consistency
High Reliability

APPLICATIONS

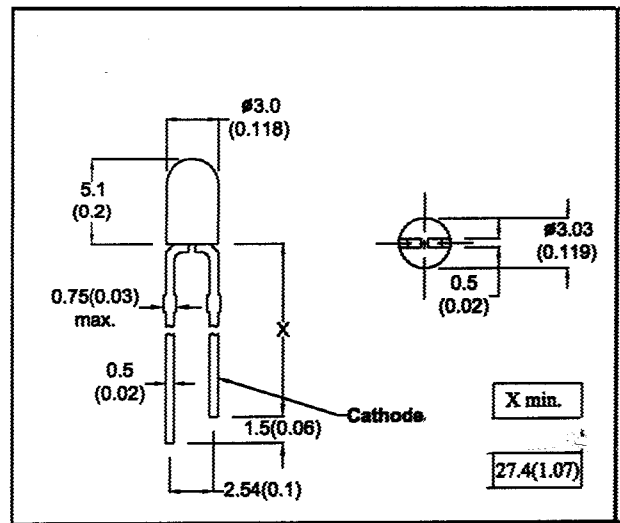
Outdoor Full Color Displays & Moving Message Signs
Solid State Incandescent Replacement Bulbs
High Ambient Panel Indicators
Color Printers and Scanners
Medical & Analytical Instruments

ABSOLUTE MAXIMUM RATINGS

| | |
|-----------------------------|---------------|
| Power Dissipation @ Ta=25°C | 125mW |
| Forward Current, DC (IF) | 25mA |
| Reverse Voltage | 5V |
| Operating Temperature | -20 to +80°C |
| Storage Temperature | -30 to +100°C |
| Lead Temperature | 260°C |

(Soldering 5 sec., 1/16" form body)

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



ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER | SYMBOL | MIN | TYP | MAX | UNIT | CONDITIONS |
|--------------------------|-----------------|-----|-----|-----|---------|------------|
| Forward Voltage | VF | | 3.8 | 5.0 | V | IF=20mA |
| Reverse Current | IR | | | 100 | μ A | VR=5V |
| Luminous Intensity | IV | 30 | 50 | | mcd | IF=20mA |
| Peak Wavelength | λ_p | | 430 | | nm | IF=20mA |
| Spectral Line Half Width | $\Delta\lambda$ | | 65 | | nm | IF=20mA |
| Viewing Angle | 2 θ 1/2 | | 44 | | degree | IF=20mA |

CAUTION

Static electricity does damage these product. Don't apply it to their leadframes.



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