MICRO ELECTRONICS

Ø 5mm BLUE LED LAMP

DESCRIPTION

The MBB51D is a efficient GaN blue LED with a 430nm peak wavelength, It is encapsulated in a T-1 3/4 standard package with 1 inch lead and blue diffused lens.

FEATURES

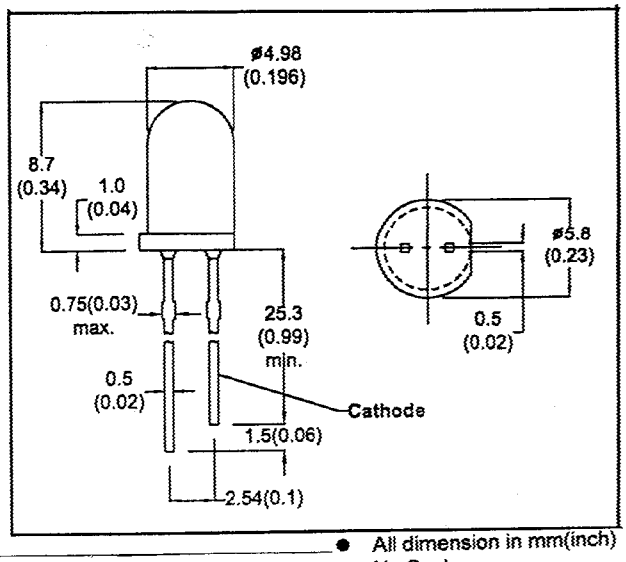
High Performance - 700μW
Superior SiC substrate technology
430nm peak wavelength
Excellent chip to chip consistency
High Reliability

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 (Soldering 5 sec., 1/16" form body)	260°C



- 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	μA	VR=5V
Luminous Intensity	IV	10	15		mcd	IF=20mA
Peak Wavelength	$\lambda\rho$		430		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$		65		nm	IF=20mA
Viewing Angle	2 θ 1/2		40		degree	IF=20mA

CAUTION

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

MICRO ELECTRONICS LTD.
38, Hung To Road, Microtron Bulding, 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