

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

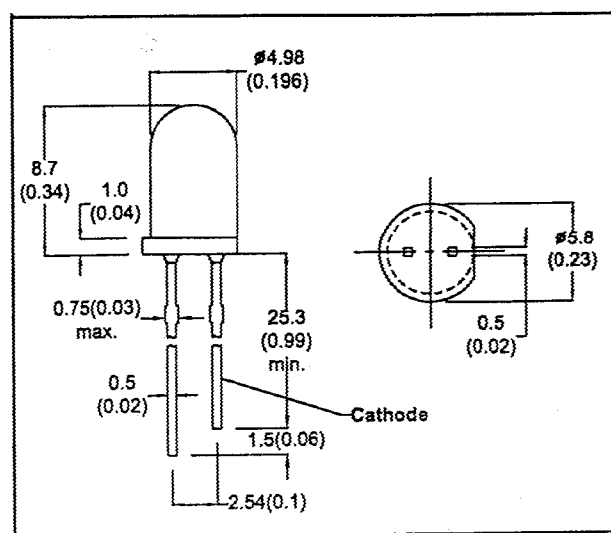
High Performance - 700 μ W
Superior SiC substrate technology
430nm peak wavelength
Excellent chip to chip consistency
High Reliability

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	10	15		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		40		degree	IF=20mA

CAUTION

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



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