

## DESCRIPTION

The MBB32D is a efficient GaN blue LED with a 430nm peak wavelength, It is encapsulated in a T-1 standard package with 1.1 inch lead and blue diffused lens.

## FEATURES

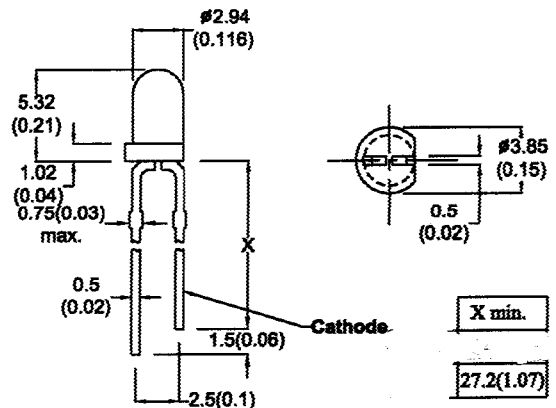
High Performance - 700 $\mu$ W  
Superior SiC substrate technology  
430nm peak wavelength  
Excellent chip to chip consistency  
High Reliability

## 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	$\mu$ A	VR=5V
Luminous Intensity	IV	6	9		mcd	IF=20mA
Peak Wavelength	$\lambda_p$		430		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$		65		nm	IF=20mA
Viewing Angle	2 $\theta$ 1/2		50		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 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