

## DESCRIPTION

The MBB31TA is a efficient GaN blue LED with a 430nm peak wavelength, It is encapsulated in a 3.2mm diameter package with 1.1 inch lead and clear transparent lens.

## FEATURES

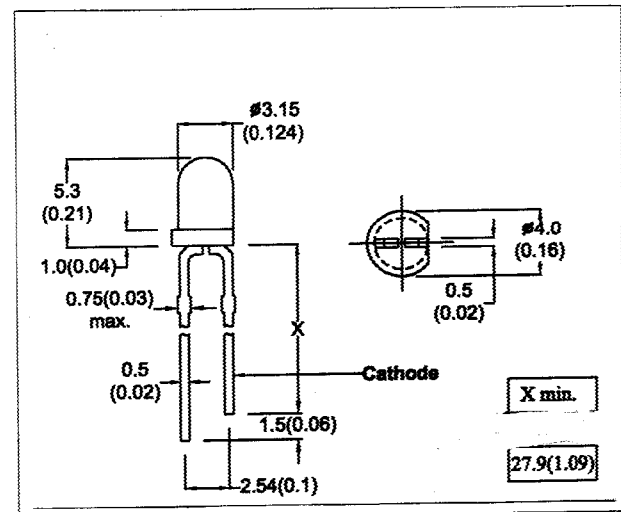
High Performance - 700 $\mu$ W  
Superior SiC substrate technology  
430nm peak wavelength  
Excellent chip to chip consistency  
High Reliability

## 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	150	250		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		40		degree	IF=20mA

## CAUTION

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



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