DESCRIPTION

The MBB31D 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 blue diffused lens.

FEATURES

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

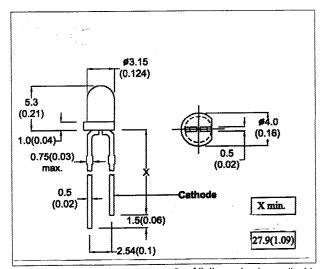
APPLICATIONS

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

MOODOID MIMMINTON IN	111100
Power Dissipation @ Ta=25°C	125mW
Forward Current, DC (IF)	25mA
Reverse Voltage	5V
Operating Temperature	$-20 \text{ to } +80^{\circ}\text{C}$
Storage Temperature	$-30 \text{ to } +100^{\circ}\text{C}$
Lead Temperature	260°C
(Soldering 5 sec., 1/16" form b	oody)

ELECTRO-OPTICAL CHARACTERISTICS



- All dimension in mm(inch)
- No Scale

 $(Ta=25^{\circ}C)$

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•	Tol.	:	+/-0.3mm	

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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	7	10		mcd	IF=20mA
Peak Wavelength	λρ		430		nm	IF=20mA
Spectral Line Half Width	Δλ		65		nm	IF=20mA
Viewing Angle	2 θ 1/2	-	60		degree	IF=20mA

CAUTION

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



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