

# MICRO

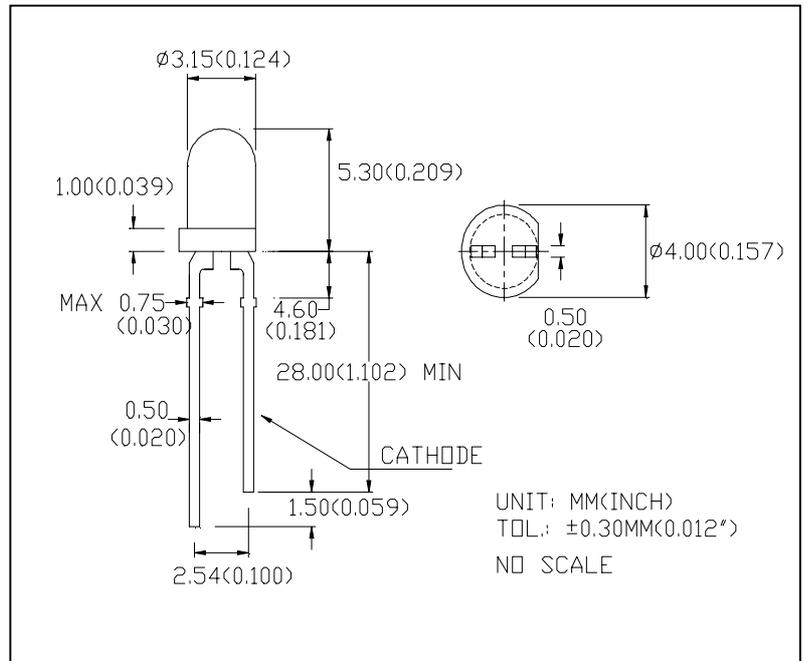
ELECTRONICS

**MBB31TA-EJ**

**ULTRA HIGH  
BRIGHTNESS  
BLUE LED LAMP**

## DESCRIPTION

MBB31TA-EJ is an ultra high brightness BLUE LED lamp with 465~470 nm dominant wavelength encapsulated in a 3.2mm diameter clear transparent lens.



## ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	125mW
Forward Current, DC (IF)	30mA
Reverse Voltage	5V
Operating Temperature Range	-20 to +80°C
Storage Temperature Range	-30 to +100°C
Lead Soldering Temperature (1/16" from body)	260°C for 5 sec.

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	VF		3.5	4.5	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100μA
Luminous Intensity	IV	1000	1800		mcd	IF=20mA
Dominant Wavelength	λd	465	468	470	nm	IF=20mA
Spectral Line Half Width	Δλ		30		nm	IF=20mA
Viewing Angle	2θ 1/2		40		degree	IF=20mA

## CAUTION

REV : B

Static electricity and surge damages the LED, It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.



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28/07/03

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