

# MICRO ELECTRONICS

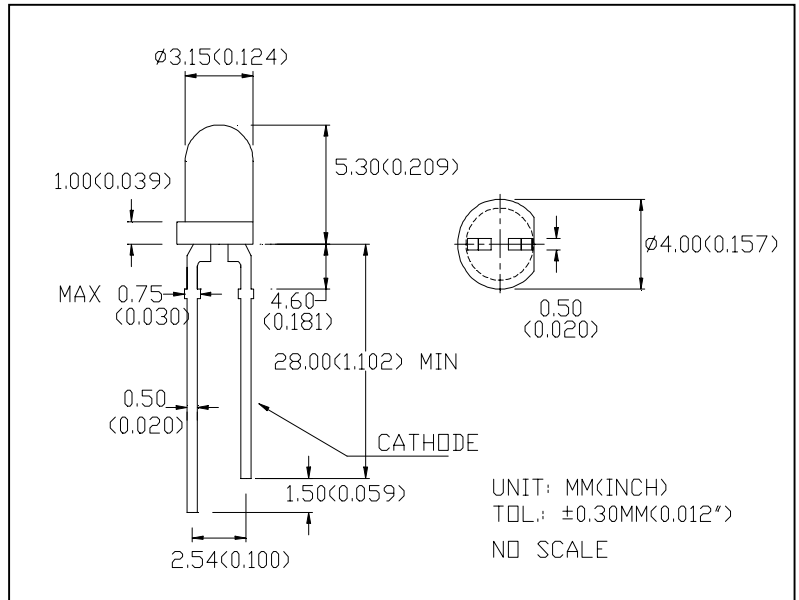
MWB31TA-DI

MWB31TB-DI

**ULTRA HIGH  
BRIGHTNESS  
WHITE LED LAMP**

## DESCRIPTION

MWB31TX-DI is an ultra high brightness InGaN/GaN white LED lamp encapsulated in a 3mm diameter clear transparent lens.



## ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	100mW
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	2000		mcd	IF=20mA
Chromaticity Coordinates	x		0.30			IF=20mA
	y		0.30			IF=20mA
Viewing Angle MWB31TA-DI	2θ 1/2		30		degree	IF=20mA
Viewing Angle MWB31TB-DI	2θ 1/2		50		degree	IF=20mA

## CAUTION

REV : A

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.



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

30/06/03