

MICRO ELECTRONICS

MWB32TA-3E
MWB32TB-3E
MWB32WA-3E

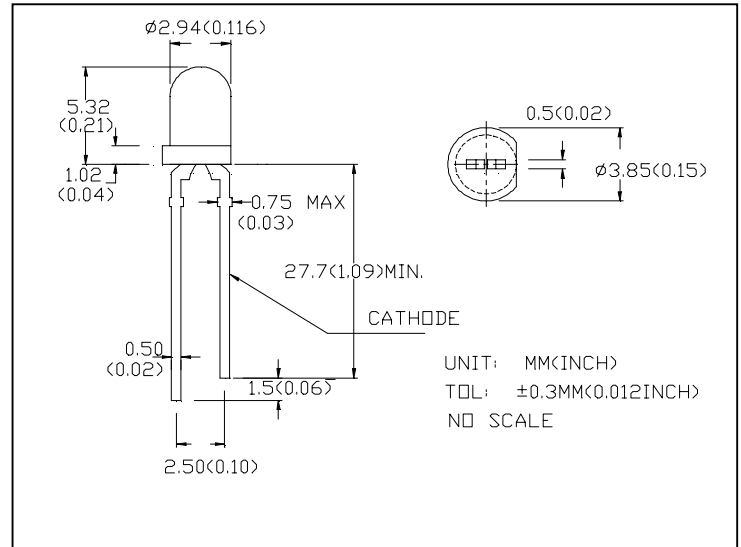
ULTRA HIGH
BRIGHTNESS
WHITE LED LAMP

DESCRIPTION

MWB32XX-3E is an ultra high brightness

InGaN 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	1500	2500		mcd	IF=20mA
					mcd	IF=20mA
		300	500		mcd	IF=20mA
Viewing Angle	2θ 1/2		30		degree	IF=20mA
			40		degree	IF=20mA
			50		degree	IF=20mA
Chromaticity Coordinates	x		0.32			IF=20mA
	y		0.31			IF=20mA

CAUTION

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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