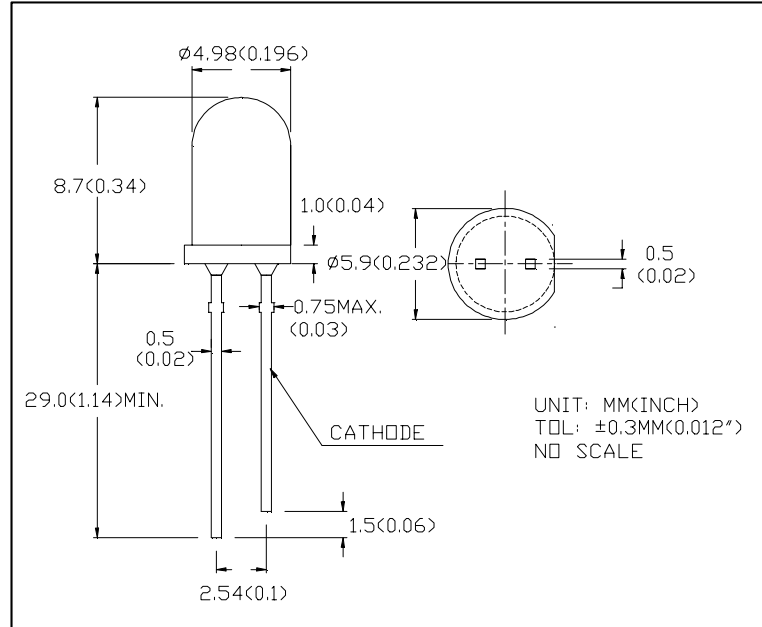


DESCRIPTION

MBB51TA-XI is an ultra high brightness GaInN blue LED lamp with 460~465 nm dominant wavelength encapsulated in a 5mm diameter clear transparent lens.

2 brightness grouping is provided for customer's selection.



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 MBB51TA-DI	IV	1500	2000		mcd	IF=20mA
Luminous Intensity MBB51TA-EI	IV	2000	2800		mcd	IF=20mA
Dominant Wavelength	λ _d	460	463	465	nm	IF=20mA
Spectral Line Half Width	Δλ		30		nm	IF=20mA
Viewing Angle	2θ 1/2		20		degree	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.

