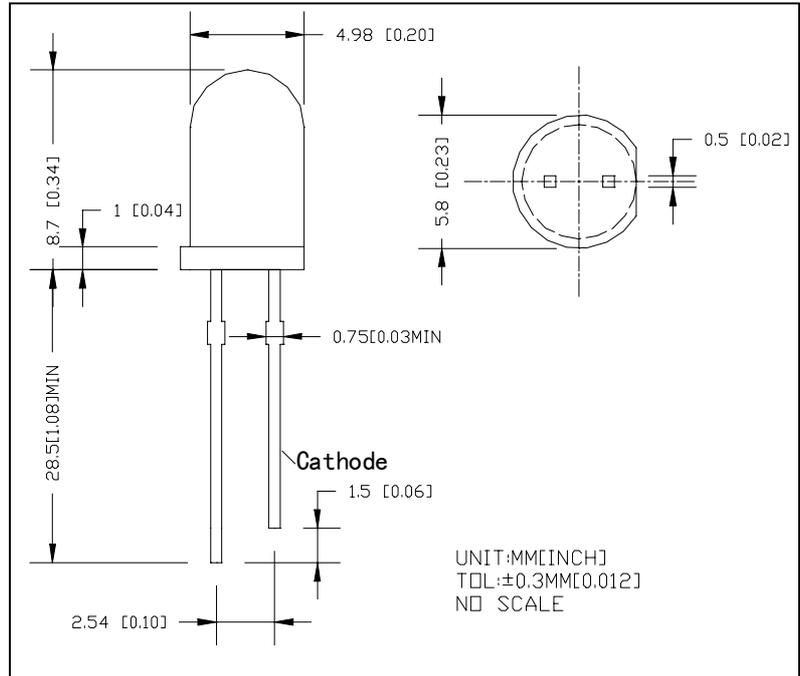


DESCRIPTION

MBB51TB-10H is an ultra high brightness GaN signal Blue LED lamp with 455~460nm dominant wavelength encapsulated in a 5mm diameter , clear transparent lens .



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	120mW
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		3.2	3.8	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=70µA
Luminous Intensity	IV	3200	4500		mcd	IF=20mA
Dominant Wavelength	λd	455		460	nm	IF=20mA
Spectral Line Half Width	Δλ		30		nm	IF=20mA
Viewing Angle	2θ 1/2		30		degree	IF=20mA

CAUTION

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