

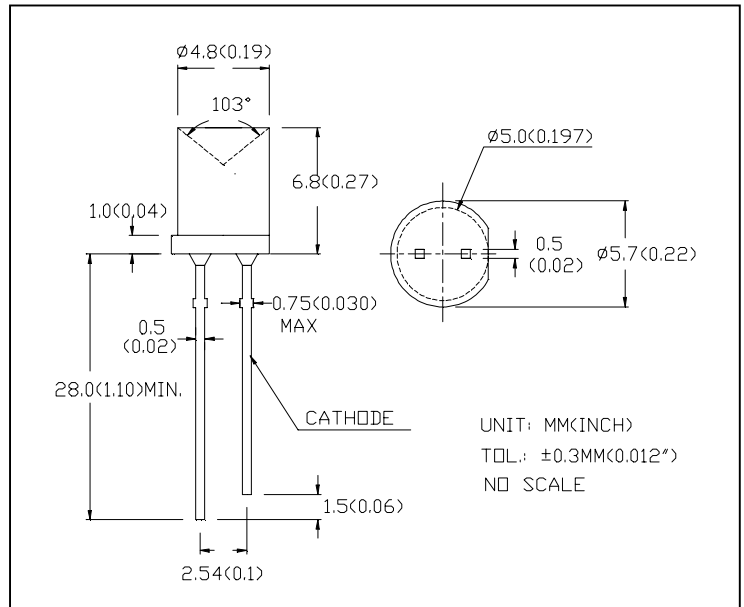
MICRO ELECTRONICS

MBB55CA-3E

**HIGH
BRIGHTNESS
BLUE LED LAMP**

DESCRIPTION

MBB55CA-3E is a high brightness InGaN/GaN BLUE LED lamp with 460~465 nm dominant wavelength encapsulated in a 5mm diameter , cylindric lens with blue 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		3.4	4.0	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100µA
Luminous Intensity	IV	10	15		mcd	IF=20mA
Peak Wavelength	λp	455	460	465	nm	IF=20mA
Spectral Line Half Width	Δλ		30		nm	IF=20mA
Viewing Angle	2θ 1/2		170		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.



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