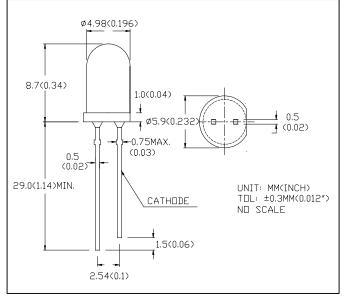
MBB51XA-EJ BRIGHTNESS BLUE LED LAMP

DESCRIPTION

MBB51XA-EJ series are high brightness InGaN/GaN blue LED lamps with 5mm diameter epoxy package.

MBB51CA-EJ is blue chip with blue transparent lens. MBB51DA-EJ is blue chip with blue diffused MBB51TA-EJ is blue chip with clear transparent lens. MBB51WA-EJ is blue chip with white diffused lens.



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C Forward Current, DC (IF) Reverse Voltage Operating Temperature Range Storage Temperature Range Lead Soldering Temperature (1/16" from body) 125mW 30mA 5V -20 to +80°C -30 to +100°C 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
Dominant Wavelength		λ_d	465	468	470	nm	IF=20mA
Spectral Line Half Width		Δλ		30		nm	IF=20mA
Luminous Intensity	MBB51DA/WA-EJ	IV	100	180		mcd	IF=20mA
	MBB51CA/TA-EJ	IV	2500	3500		mcd	IF=20mA
Viewing Angle	MBB51DA/WA-EJ	2 0 1/2		40		degree	IF=20mA
	MBB51CA/TA-EJ	2 0 1/2		20		degree	IF=20mA

CAUTION

Static eletricity 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.

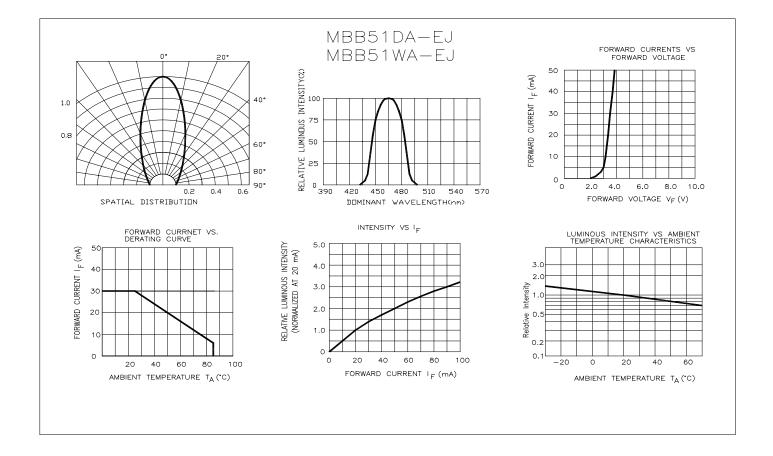
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12/12/02