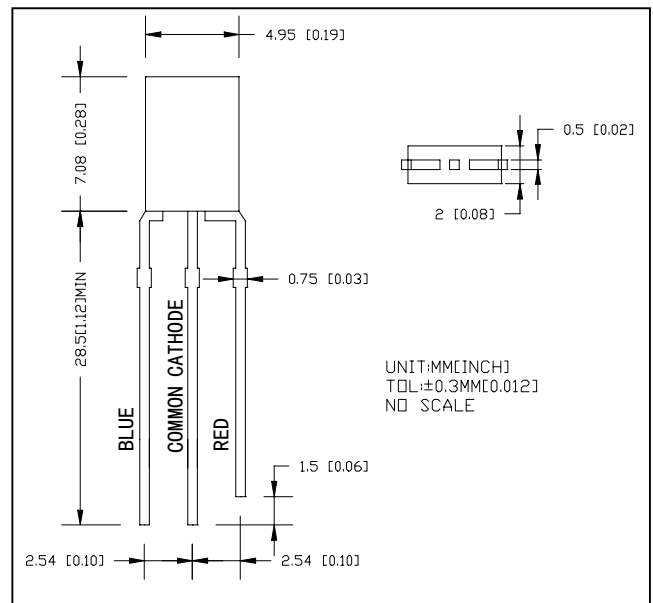


DESCRIPTION

MBUF64TB-EJ/8B is a red and blue lamp made of InGaN/GaN,AlGaInP offering a changing color characteristics dependent on the direction the lamp is biased. These two light emitting diodes are mounted in a flangless rectangular 2mm x 5mm 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	BLUE	RED	UNIT	CONDITIONS
Forward Voltage	TYP	VF	3.5	1.9	V	IF=20mA
	MAX	VF	4.5	2.5	V	IF=20mA
Reverse Breakdown Voltage	MIN	BVR	5	5	V	IR=100µA
Luminous Intensity	MIN	IV	45	38	mcd	IF=20mA
	TYP	IV	65	50	mcd	IF=20mA
Dominant Wavelength	MIN	λd	465	627	nm	IF=20mA
	TYP	λd	468	632	nm	IF=20mA
	MAX	λd	470	637	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	30	22	nm	IF=20mA
Viewing Angle		2θ 1/2	148	148	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.

