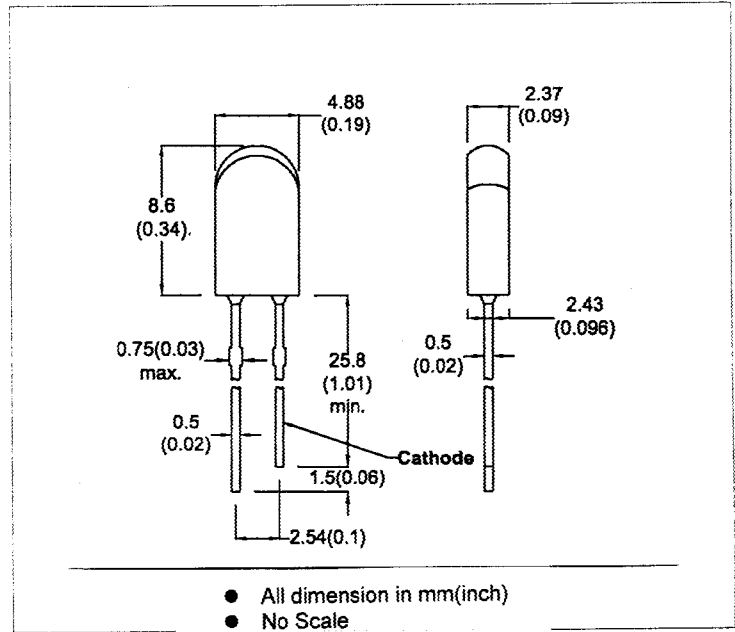


DESCRIPTION

MSB81CA is an ultra high brightness output red GaAlAs LED lamp encapsulated in a 2.37x4.88mm round rectangular bars, red transparent lens. 5 brightness grouping is provided for customer's selection.



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	95mW
Forward Current, DC (IF)	40mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100°C
Lead Temperature	260°C

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	VF			2.4	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100μA
Luminous Intensity	IV				mcd	IF=20mA
	-1	180	250		mcd	IF=20mA
	-2	360	500		mcd	IF=20mA
	-3	550	800		mcd	IF=20mA
	-4	700	1000		mcd	IF=20mA
	-5	1000	1500		mcd	IF=20mA
Peak Wavelength	λp		660		nm	IF=20mA
Spectral Line Half Width	Δλ		20		nm	IF=20mA
Viewing Angle	2θ 1/2		16		degree	IF=20mA



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