

DESCRIPTION

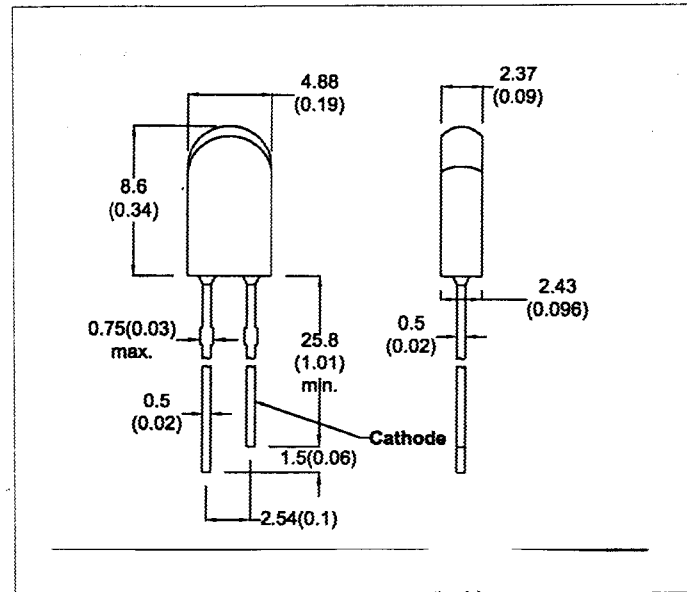
MSB81 Series are GaP/GaP red LED lamp with 2.37x4.88mm round rectangular bars.

MSB81C is red chip with red transparent lens.

MSB81D is red chip with red diffused lens.

MSB81T is red chip with clear transparent lens.

MSB81W is red chip with clear diffused lens.



- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C

Forward Current, DC (IF)

Reverse Voltage

Operating & Storage Temperature Range

Lead Temperature

45mW

15mA

5V

-55 to +100°C

260°C

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MSB81C	MSB81D	MSB81T	MSB81W	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	V	IR=100μA
Luminous Intensity	MIN IV	4	2.8	4	2.8	mcd	IF=10mA
	TYP	7	3.8	7	3.8	mcd	IF=10mA
Peak Wavelength	TYP λp	700	700	700	700	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	100	100	100	100	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	16	124	16	124	degree	IF=20mA



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