

## DESCRIPTION

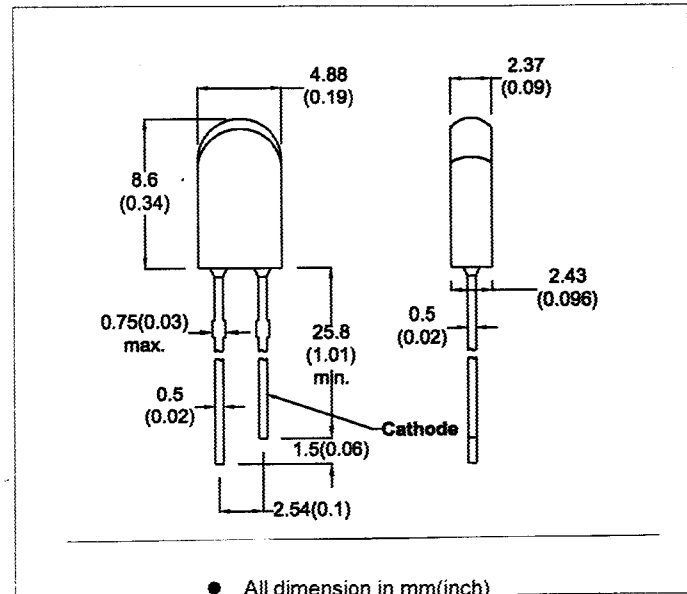
MRB81 Series are GaAsP/GaAs red LED lamp with 2.37x4.88mm round rectangular bars.

MRB81C is red chip with red transparent lens.

MRB81D is red chip with red diffused lens.

MRB81T is red chip with clear transparent lens.

MRB81W 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

80mW

40mA

5V

-55 to +100°C

260°C

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MRB81C	MRB81D	MRB81T	MRB81W	UNIT	CONDITIONS
Forward Voltage	MAX	VF	2.0	2.0	2.0	V	IF=20mA
Reverse Breakdown Voltage	MIN	BVR	5	5	5	V	IR=100μA
Luminous Intensity	MIN	IV	3.5	2.2	3.5	mcd	IF=20mA
	TYP		6	3.5	6	mcd	IF=20mA
Peak Wavelength	TYP	λp	660	660	660	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	20	20	20	nm	IF=20mA
Viewing Angle	TYP	2θ 1/2	16	124	16	degree	IF=20mA



MICRO ELECTRONICS LTD.

38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.

Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5