

DESCRIPTION

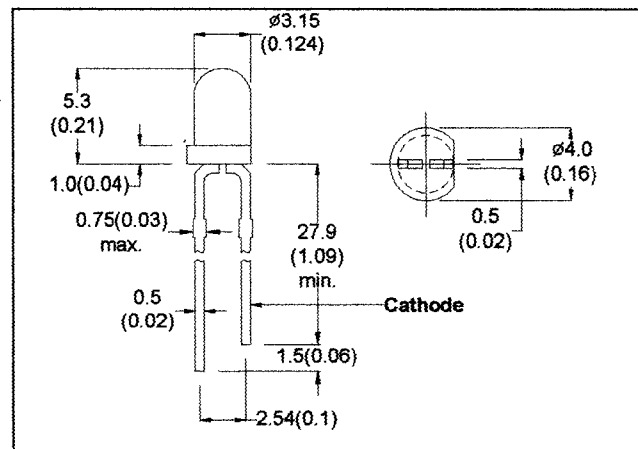
MSB31 Series are red LED lamp with 3mm diameter epoxy package.

MSB31C is red chip with red transparent lens.

MSB31D is red chip with red diffused lens.

MSB31T is red chip with clear transparent lens.

MSB31W 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

45mW

Forward Current, DC (IF)

15mA

Reverse Voltage

5V

Operating & Storage Temperature Range

-55 to +100°C

Lead Soldering Temperature (1/16" from body)

260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MSB31C	MSB31D	MSB31T	MSB31W	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	7.5	2.2	7.5	2.2	mcd	IF=10mA
	TYP	10	3.2	10	3.2	mcd	
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	40	60	40	60	degree	IF=10mA

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

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