

DESCRIPTION

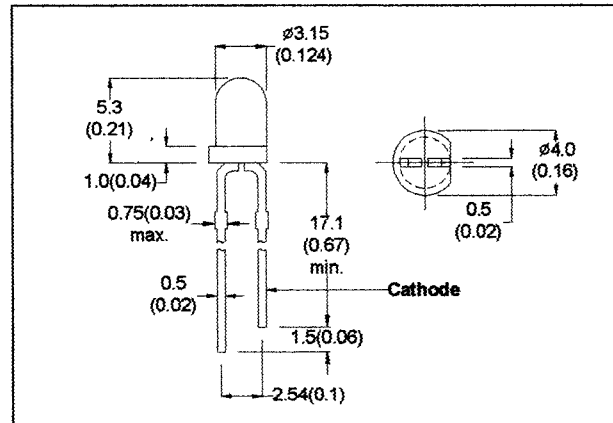
MS31 Series are red LED lamp with 3mm diameter epoxy package.

MS31C is red chip with red transparent lens.

MS31D is red chip with red diffused lens.

MS31T is red chip with clear transparent lens.

MS31W 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 Soldering Temperature (1/16" from body)

45mW

15mA

5V

-55 to +100°C

260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MS31C	MS31D	MS31T	MS31W	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	2.0	1.0	2.0	1.0	mcd	IF=10mA
	TYP	3.0	1.5	3.0	1.5	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

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Aug-99