

## DESCRIPTION

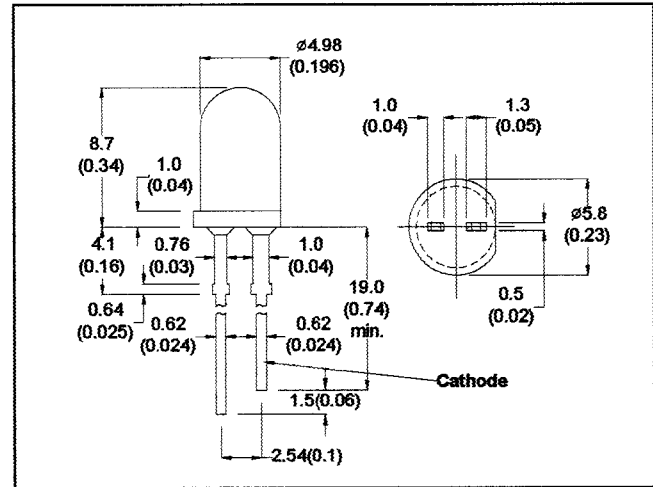
MS51 Series are red LED lamp with 5mm diameter epoxy package.

MS51C is red chip with red transparent lens.

MS51D is red chip with red diffused lens.

MS51T is red chip with clear transparent lens.

MS51W 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	MS51C	MS51D	MS51T	MS51W	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=100 μA
Luminous Intensity	MIN IV	2	0.75	2	0.75	mcd	IF=10mA
	TYP	3	1	3	1	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=20mA

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Rev.B.

Sep-99