

## DESCRIPTION

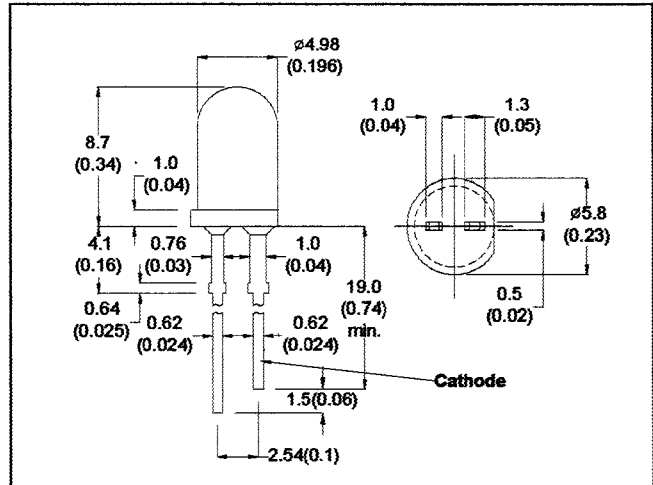
MR51 Series are red LED lamp with 5mm diameter epoxy package.

MR51C is red chip with red transparent lens.

MR51D is red chip with red diffused lens.

MR51T is red chip with clear transparent lens.

MR51W 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	90mW
Forward Current, DC (IF)	30mA
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	MR51C	MR51D	MR51T	MR51W	UNIT	CONDITIONS
Forward Voltage	MAX VF	2.0	2.0	2.0	2.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	V	IR=100 μA
Luminous Intensity	MIN IV	3	0.8	3	0.8	mcd	IF=20mA
	TYP	4.5	1.2	4.5	1.2	mcd	
Peak Wavelength	TYP λp	660	660	660	660	nm	IF=20mA
Spectral Line Half Width	TYP 20	20	20	20	20	nm	IF=20mA

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