

MICRO ELECTRONICS

MR31C
MR31D
MR31T
MR31W

RED LED LAMPS

DESCRIPTION

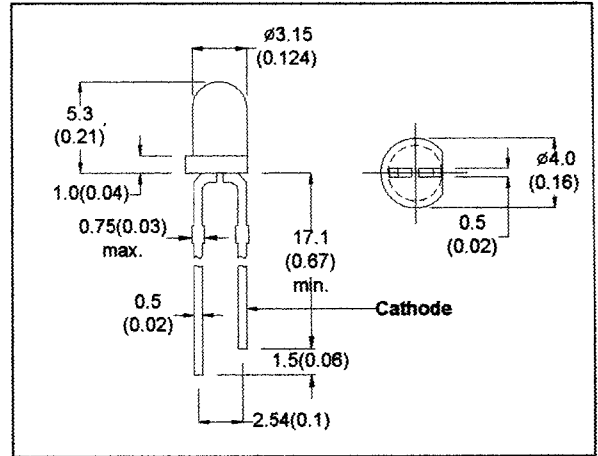
MR31 Series are red LED lamp with 3mm diameter epoxy package.

MR31C is red chip with red transparent lens.

MR31D is red chip with red diffused lens.

MR31T is red chip with clear transparent lens.

MR31W 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)

80mW

40mA

5V

-55 to +100°C

260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MR31C	MR31D	MR31T	MR31W	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=100μA
Luminous Intensity	MIN IV	3	1	3	1	mcd	IF=20mA
	TYP	4.5	1.5	4.5	1.5	mcd	
Peak Wavelength	TYP λp	660	660	660	660	nm	IF=20mA
Spectral Line Half Width	TYP	20	20	20	20	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	40	60	40	60	degree	IF=20mA

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