

DESCRIPTION

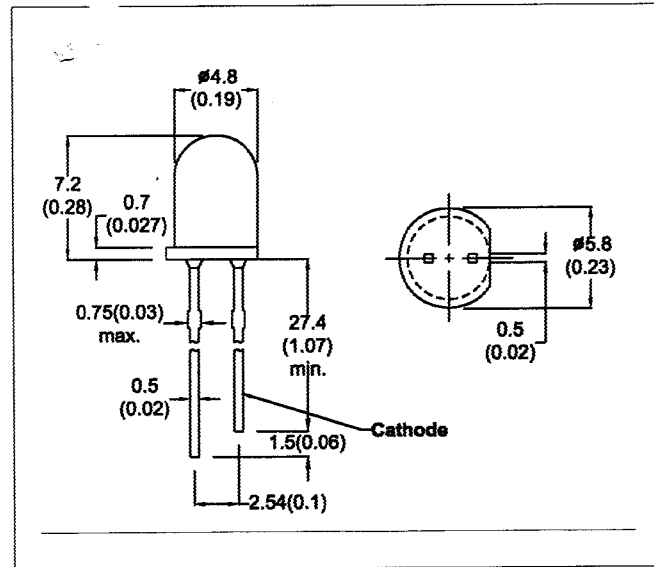
MRB52 Series are red LED lamp with 4.8mm diameter epoxy package.

MRB52C is red chip with red transparent lens.

MRB52D is red chip with red diffused lens.

MRB52T is red chip with clear transparent lens.

MRB52W 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)	80mW
Forward Current, DC (IF)	40mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100°C
Lead Temperature	260°C

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MRB52C	MRB52D	MRB52T	MRB52W	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	10	1.0	10	1.0	mcd	IF=20mA
	TYP	15	1.8	15	1.8	mcd	
Peak Wavelength	TYP λp	660	660	660	660	nm	IF=20mA
Spectral Line Half Width	TYP 2θ	20	20	20	20	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	36	60	36	60	degree	IF=20mA



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Oct-98