MICRO ELECTRONICS

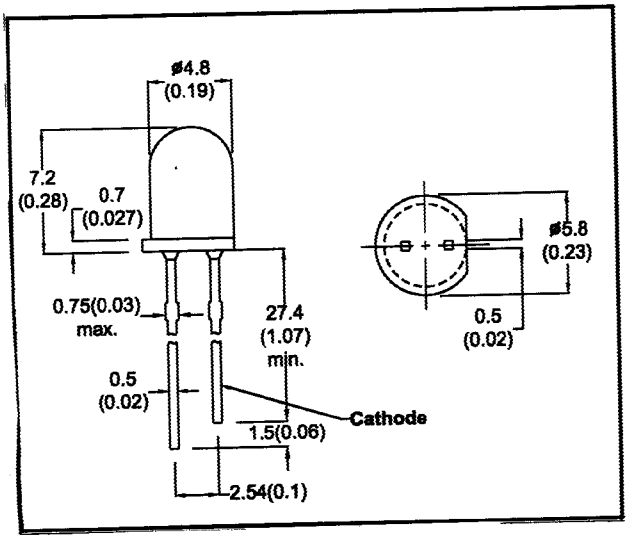
MSB52T
MSB52W

RED LED LAMPS

DESCRIPTION

MSB52 Series are red LED lamp with 4.8mm diameter round type epoxy package.

MSB52C is red chip with red transparent lens.
MSB52D is red chip with red diffused lens.
MSB52T is red chip with clear transparent lens.
MSB52W 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	MSB52C	MSB52D	MSB52T	MSB52W	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	12	1.2	12	1.2	mcd	IF=10mA
	TYP		16	1.6	16	1.6	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

MICRO ELECTRONICS LTD.
38, Hung To Road, Microtron Bulding, Kwun Tong, Kowloon, Hong Kong.
Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5