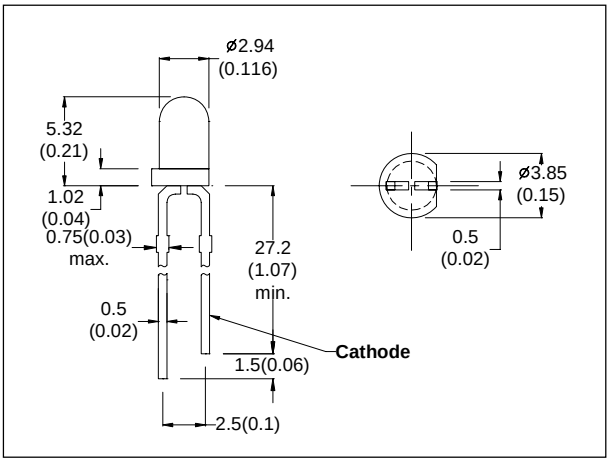
MSB32C
MSB32D
MSB32T
MSB32W

RED LED LAMPS

DESCRIPTION

MSB32 Series are red LED lamp with 3mm diameter epoxy package.
MSB32C is red chip with red transparent lens.
MSB32D is red chip with red diffused lens.
MSB32T is red chip with clear transparent lens.
MSB32W 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)	25mA
Reverse Voltage	5V
Operating Temperature Range	-20 to +80°C
Storage Temperature Range	-30 to +100°C
Lead Soldering Temperature (1/16" from body)	260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER		SYMBOL	MSB32C	MSB32D	MSB32T	MSB32W	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	5	1.8	5	1.8	mcd	IF=10mA
	TYP		7.5	2.5	7.5	2.5	mcd	IF=10mA
Peak Wavelength	TYP	λρ	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	30	50	30	50	degree	IF=10mA

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