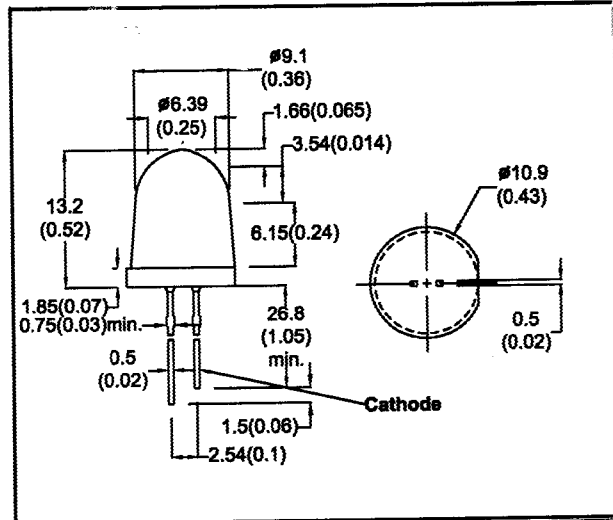


MICRO ELECTRONICS MSB90TA-X

**ULTRA HIGH
BRIGHTNESS
RED LED LAMP**

DESCRIPTION

MSB90TA-X* is an ultra high brightness red GaAlAs LED lamp encapsulated in a 10mm diameter clear transparent lens.



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	100mW
Peak Forward Current (IF/pulse **)	200mA
Continuous Forward Current (IF/DC)	40mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100°C
Lead Soldering Temperature (1/16 from body)	260°C for 5sec.

- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

*Note : -X = -1, -2, -3, -4, -5.

**Note : Pulse Width = 1mS, Duty Ratio = 1/10

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	VF			2.4	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100 μ A
Luminous Intensity	IV					
	-1	400			mcd	IF=20mA
	-2	800	1200		mcd	IF=20mA
	-3	1300	2000		mcd	IF=20mA
	-4	1600	2400		mcd	IF=20mA
	-5	5000	10000		mcd	IF=20mA
Peak Wavelength	λp		660		nm	IF=20mA
Spectral Line Half Width	Δλ		20		nm	IF=20mA
Viewing Angle	2θ 1/2		16		degree	IF=20mA



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Rev A

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MSB90TA-X

