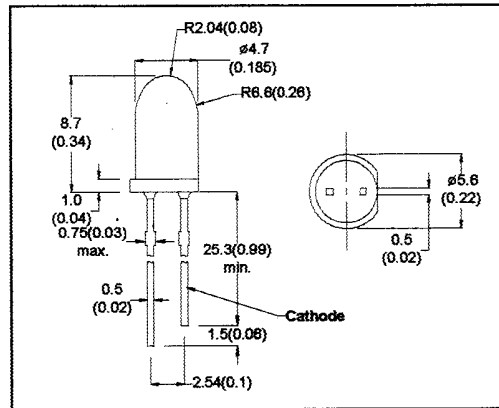


# MICRO ELECTRO

ULTRA HIGH  
BRIGHTNESS  
RED LED LAMP

## DESCRIPTION

MSB49TA-X is an ultra high brightness output red GaAlAs LED lamp encapsulated in a 4.7mm diameter clear transparent lens. 6 brightness grouping is provided for customer's selection.



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

## ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	100mW
Forward Current, DC (IF)	40mA
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 CHARACTERISTIC (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	V <sub>F</sub>		1.8	2.4	V	I <sub>F</sub> =20mA
Reverse Breakdown Voltage	BV <sub>R</sub>	5			V	IR=100μA
Luminous Intensity	I <sub>V</sub>				mcd	I <sub>F</sub> =20mA
	-0	320	450		mcd	I <sub>F</sub> =20mA
	-1	550	800		mcd	I <sub>F</sub> =20mA
	-2	850	1100		mcd	I <sub>F</sub> =20mA
	-3	1200	1600		mcd	I <sub>F</sub> =20mA
	-4	2000	3500		mcd	I <sub>F</sub> =20mA
	-5	2800	4500		mcd	I <sub>F</sub> =20mA
Peak Wavelength	λ <sub>p</sub>		660		nm	I <sub>F</sub> =20mA
Spectral Line Half Width	Δλ		20		nm	IF=20mA
Viewing Angle	2θ 1/2		12		degree	IF=20mA

Rev.A.

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