

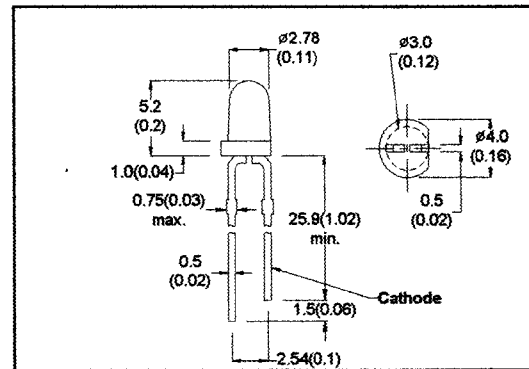
# MICRO ELECTRONIC

(MSB27TA)

ULTRA HIGH  
BRIGHTNESS  
RED LED LAMP

## DESCRIPTION

MSB27TA-X is an ultra high brightness output red GaAlAs LED lamp encapsulated in a 2.78mm 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	VF		1.8	2.4	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100 $\mu$ A
Luminous Intensity	IV				mcd	IF=20mA
	-0	160	300		mcd	IF=20mA
MSB27TA &	-1	300	600		mcd	IF=20mA
	-2	600	900		mcd	IF=20mA
	-3	900	1200		mcd	IF=20mA
	-4	1200	1500		mcd	IF=20mA
	-5	1500	2000		mcd	IF=20mA
Peak Wavelength	$\lambda_p$		660		nm	IF=20mA
Spectral Line Half Width	$\Delta\lambda$		20		nm	IF=20mA
Viewing Anmle	$2\theta$ 1/2		12		degree	IF=20mA

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