

MICRO

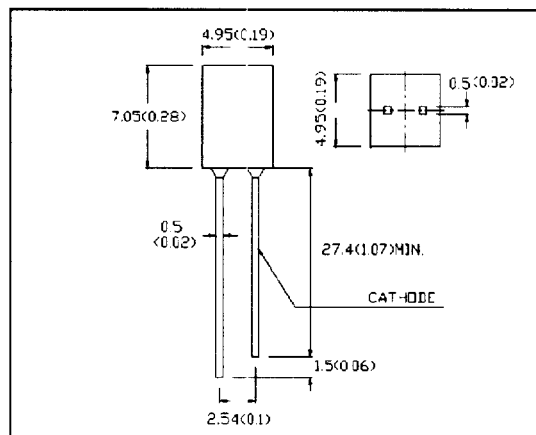
ELECTRONICS

MSB68DA-X

**ULTRA HIGH
BRIGHTNESS
RED LED LAMP**

DESCRIPTION

MSB68DA-X is an ultra high brightness output red GaAlAs LED lamp encapsulated in a 4.95mmx4.95mm rectangular package with red diffused lens. 6 brightness grouping is provided for customer's selection.



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 CHARACTERISTICS (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=100μA
Luminous Intensity	IV				mcd	IF=20mA
	-0	2.5	4.0			
	-1	4.0	6.0		mcd	IF=20mA
	-2	6.0	9.0		mcd	IF=20mA
	-3	9.0	13		mcd	IF=20mA
	-4	13	18		mcd	IF=20mA
	-5	18	24		mcd	IF=20mA
Peak Wavelength	λp		660		nm	IF=20mA
Spectral Line Half Width	Δλ		20		nm	IF=20mA
Viewing Angle	2θ 1/2		180		degree	IF=20mA



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