

## DESCRIPTION

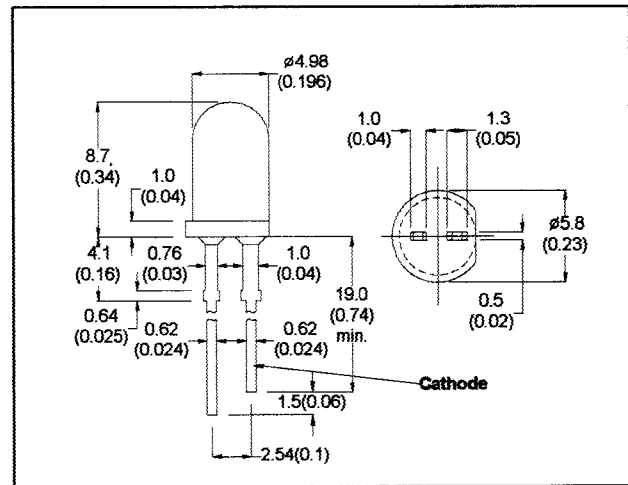
MS51XA Series are ultra high brightness GaAlAs red LED lamp with 5mm diameter epoxy package.

MS51CA is GaAlAs red chip with red transparent lens.

MS51DA is GaAlAs red chip with red diffused lens.

MS51TA is GaAlAs red chip with clear transparent lens.

MS51WA is GaAlAs red chip with clear diffused lens.



- 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 CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MS51CA	MS51DA	MS51TA	MS51WA	UNIT	CONDITIONS
Forward Voltage	MAX VF	2.4	2.4	2.4	2.4	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	V	IR=100 μA
Luminous Intensity	MIN IV	50	12	50	12	mcd	IF=20mA
	TYP	75	18	75	18	mcd	
Peak Wavelength	TYP λp	660	660	660	660	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	20	20	20	20	nm	IF=20mA

Rev.A.

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