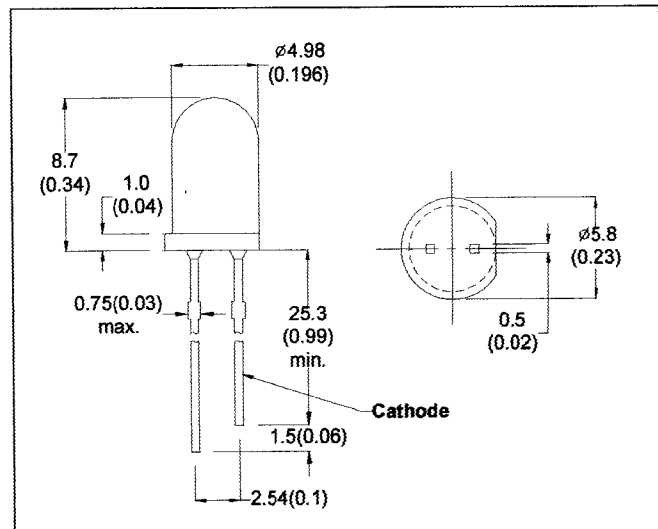


MICRO ELECTRONICS MICRO

**ULTRA HIGH
BRIGHTNESS
RED LED LAMP**

DESCRIPTION

MSB51CA is an ultra high brightness output red GaAlAs LED lamp encapsulated in a 5mm diameter, red transparent lens with narrow viewing angle. 5 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 Temperature Range	-20 to +80°C
Storage Temperature Range	-30 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
	MSB51CA-1	300	600		mcd	IF=20mA
	MSB51CA-2	600	900		mcd	IF=20mA
	MSB51CA-3	900	1500		mcd	IF=20mA
	MSB51CA-4	1200	1800		mcd	IF=20mA
	MSB51CA-5	1800	3500		mcd	IF=20mA
Peak Wavelength	λp		660		nm	IF=20mA
Spectral Line Half Width	Δλ		20		nm	IF=20mA

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Rev. C