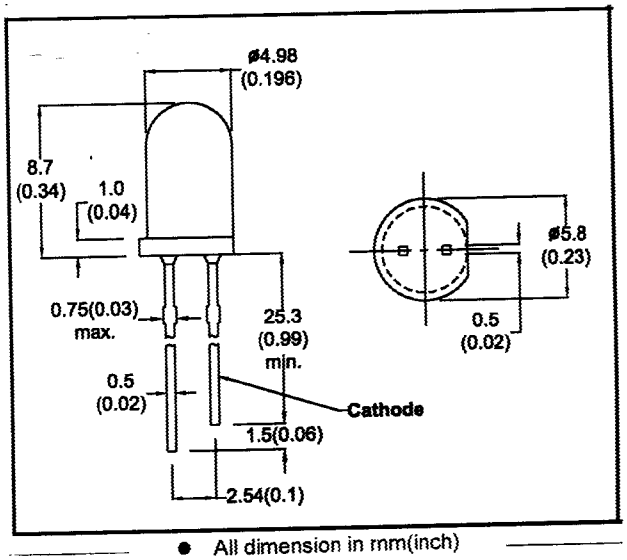
MICRO ELECTRONICS

ULTRA HIGH BRIGHTNESS RED LED LAMP

DESCRIPTION

MSB51TA-B is an ultra high brightness output red AlGaInP LED lamp encapsulated in a 5mm diameter clear transparent lens. 3 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 CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	VF			2.6	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100μA
Luminous Intensity	IV				mcd	IF=20mA
-3B		900	1300			IF=20mA
-4B		1300	1800			IF=20mA
-5B		1800	2500			IF=20mA
Peak Wavelength	λρ		645		nm	IF=20mA
Spectral Line Half Width	Δλ		22	25	nm	IF=20mA
Viewing Angle	2θ 1/2		20		degree	IF=20mA

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