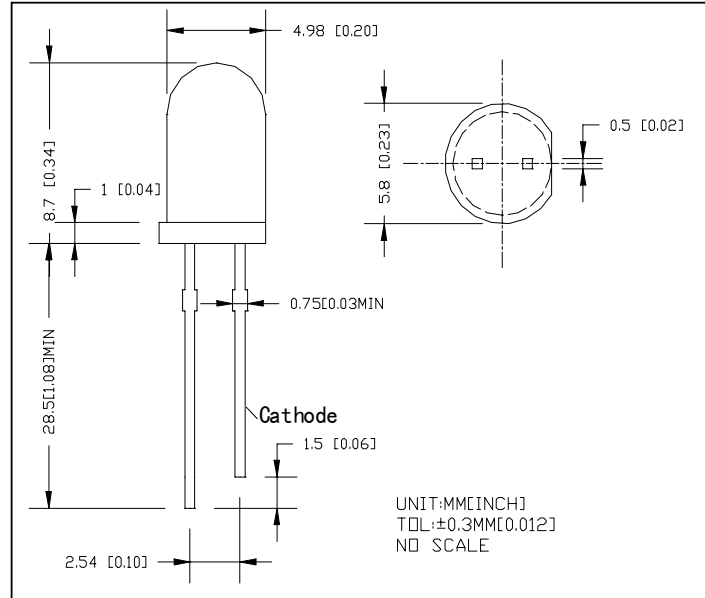


DESCRIPTION

MSB51CK-5 is a high brightness red GaAlAs LED lamp with 660nm dominant wavelength encapsulated in a 5mm diameter, red transparent lens.



ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25°C	120mW
Forward Current, DC (IF)	30mA
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		2	2.8	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=10μA
Luminous Intensity	IV	1000	1350		mcd	IF=20mA
Dominant Wavelength	λd		660		nm	IF=20mA
Spectral Line Half Width	Δλ		20		nm	IF=20mA
Viewing Angle	2θ 1/2		70		degree	IF=20mA

CAUTION

Static electricity and surge damages the LED ,It is recommended to use a wrist band or anti-eletrostatic glove when handling the LED . All devices,equipment and machinery must be properly grounded.



MICRO ELECTRONICS LTD. 美科有限公司
7/F, Enterprise Square Three, 39 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong.
TEL: (852) 23430181 FAX: (852) 23410321
HOMEPAGE: <http://www.microelectr.com.hk>

REV B
21/6/2005