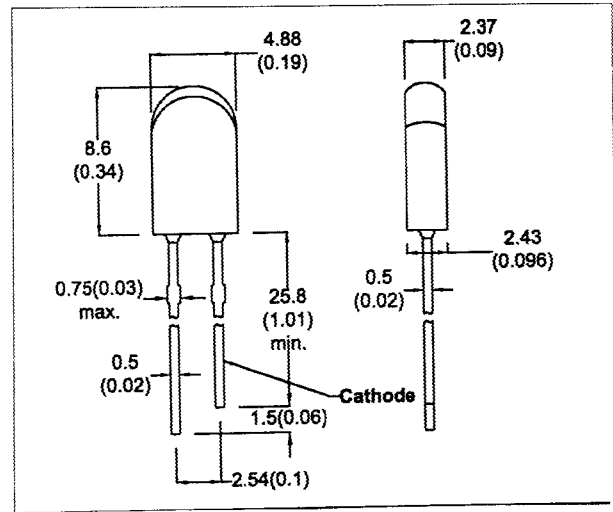


## DESCRIPTION

This series lamps are low current high efficiency LED, encapsulated in a 2.37mm x 4.9mm round rectangular bars package with 1 inch lead.

- MGB81DH is a green LED with green diffused lens.
- MOB81DH is a orange LED with orange diffused lens.
- MOB81DRH is a high efficiency red LED with red diffused lens.
- MSB81DH is a red LED diffused lens.
- MUB81DH is a GaAlAs red LED with red diffused lens.
- MYB81DH is a yellow LED with yellow diffused lens.



- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

## ABSOLUTE MAXIMUM RATINGS

- Power Dissipation @ Ta=25°C
- Continuous Forward Current, DC (IF)
- Reverse Voltage
- Operating & Storage Temperature Range
- Lead Temperature

	MSB81DH	MGB81DH	MOB81DH	MOB81DRH	MUB81DH
<u>MYB81DH</u>	60mW				100mW
	20mA				30mA
	5V				5V
	-55 to +100°C				
	260°C for 5 sec.				

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MGB	MOB	MOB*	MSB	MUB	MYB	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	3.0	3.0	3-0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	5	5	V	IR=100µA
Luminous Intensity	MIN IV	1.6	1.5	1.5	1.3	1.3**	1.0	mcd	IF=2mA
	TYP	3.0	2.2	2.2	2.5	2.0**	1.8	mcd	IF=2mA
Peak Wavelength	TYP λp	570	630	640	650	660	585	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	35	40	40	100	20	35	nm	IF=20mA

\* MOB81DRH

\*\* IV @ IF=1mA



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