

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.

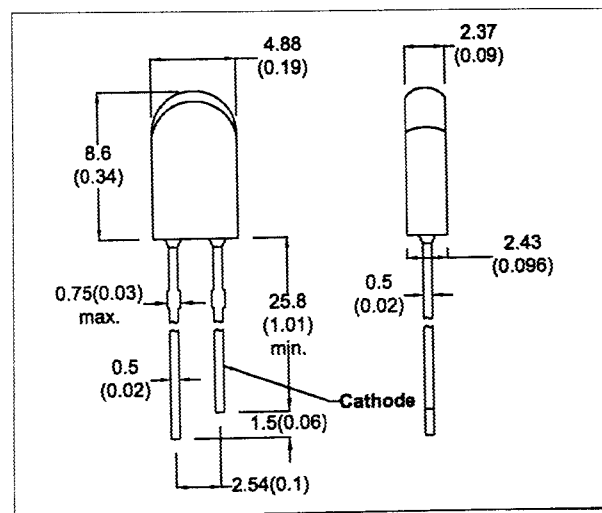
MOB81DH is a orange LED with orange diffused lens.

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

MYB81DH

60mW

20mA

5V

-55 to +100°C

260°C for 5 sec.

MSB81DH

MGB81DH

MOB81DH

MOB81DRH

MUB81DH

100mW

30mA

5V

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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