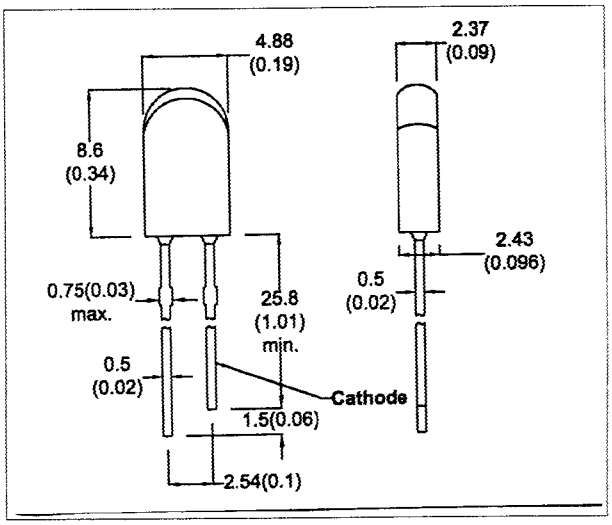
MICRO ELECTRONICS

MOB81DRH
MSB81DH
MUB81DH
MYB81DH

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

	MSB81DH MGB81DH MOB81DH MOB81DRH MYB81DH	MUB81DH
Power Dissipation @ Ta=25°C	60mW	100mW
Continuous Forward Current, DC (IF)	20mA	30mA
Reverse Voltage	5V	5V
Operating & Storage Temperature Range	-55 to +100°C	
Lead Temperature	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	λρ	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

MICRO ELECTRONICS LTD.
38, Hung To Road, Microtron Bulding, Kwun Tong, Kowloon, Hong Kong.
Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5