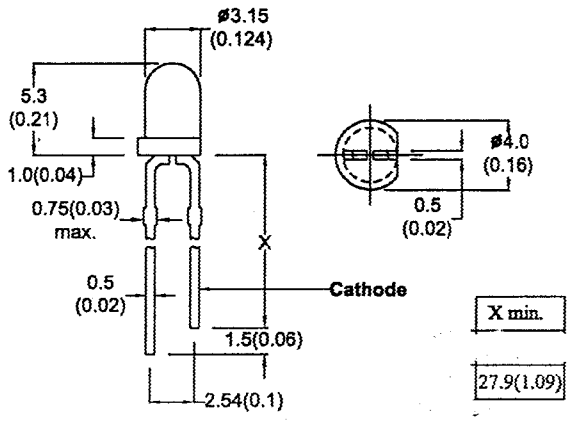
MICRO ELECTRONICS

MOB31DH
MOB31DRH
MSB31DH
MUB31DH
MYB31DH

DESCRIPTION

This series lamps are low current high efficiency LED, encapsulated in a 3.2mm diameter epoxy package.

MGB31DH is a green LED with green diffused lens.
MOB31DH is an orange LED with orange diffused lens.
MOB31DRH is a high efficiency red LED with red diffused lens.
MSB31DH is a red LED with red diffused lens.
MUB31DH is a GaAlAs red LED with red diffused lens.
MYB31DH is a yellow LED with yellow diffused lens.



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

ABSOLUTE MAXIMUM RATINGS

	MSB31DH	MYB31DH	MGB31DH MOB31DH MOB31DRH MUB31DH
Power Dissipation @ Ta=25°C	40mW	60mW	100mW
Forward Current, DC (IF)	15mA	20mA	30mA
Reverse Voltage	5V	5V	5V
Operating & Storage Temperature Range		-55 to +100°C	
Lead Temperature		260°C	

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	1.5	1.5	1.5	1.2	1**	1	mcd	IF=2mA
	TYP		2.5	2.5	2.5	2	1.8**	2	mcd	IF=2mA
Peak Wavelength	TYP	λρ	565	630	645	650	660	585	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	35	40	40	100	20	35	nm	IF=20mA

* MOB31DRH

** 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