

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.

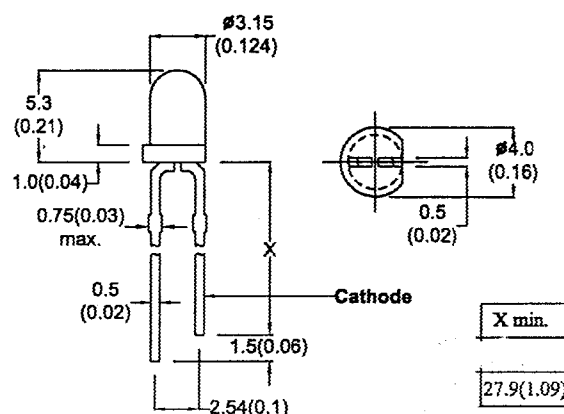
MOB31DH is an orange LED with orange diffused lens.

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

Power Dissipation @ Ta=25°C

Forward Current, DC (IF)

Reverse Voltage

Operating & Storage Temperature Range

Lead Temperature

	MSB31DH	MYB31DH	MUB31DH
Power Dissipation	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 λp	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



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