

DESCRIPTION

This series lamps are low current high efficiency LED, encapsulated in a $\phi 5\text{mm}$, T-1 3/4 standard package with 1 inch lead.

MGB51DH is a green LED with green diffused lens.

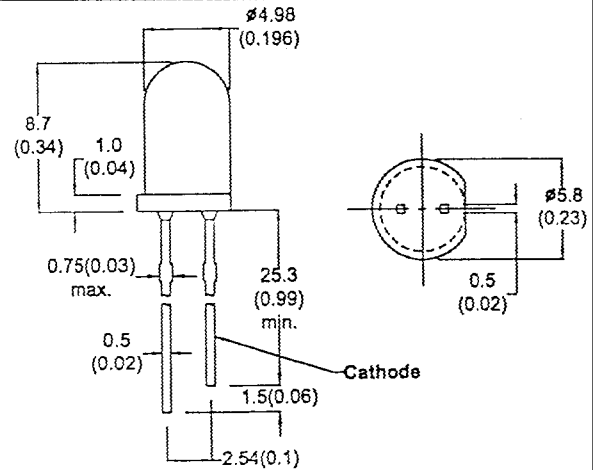
MOB51DH is a orange LED with orange diffused lens.

MOB51DRH is a high efficiency red LED with red diffused lens.

MSB51DH is a red LED with red diffused lens.

MUB51DH is a GaAlAs red LED with red diffused lens.

MYB51DH is a yellow LED with yellow diffused lens.



- All dimension in mm(inch)
- No Scale
- Tol. : $\pm 0.3\text{mm}$

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ $T_a=25^\circ\text{C}$

Forward Current, DC (IF)

Reverse Voltage

Operating & Storage Temperature Range

Lead Temperature

MSB51DH

40mW

15mA

5V

MYB51DH

60mW

20mA

5V

-55 to $+100^\circ\text{C}$

260 $^\circ\text{C}$

MGB51DH

MOB51DH

MOB51DRH

MUB51DH

100mW

30mA

5V

ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	MGB	MOB	MOB*	MSB	MUB	MYB	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	3.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN	BVR	5	5	5	5	5	V	IR=100 μA
Luminous Intensity	MIN	IV	2	2	2	1.5	1.5**	mcd	IF=2mA
	TYP		3	3	3	2.5	2.5**	mcd	IF=2mA
Peak Wavelength	TYP	λ_p	565	630	645	650	660	nm	IF=20mA
Spectral Line Half Width	TYP	$\Delta\lambda$	35	40	40	100	20	nm	IF=20mA

* MOB51DRH

** IV @ IF=1mA.



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