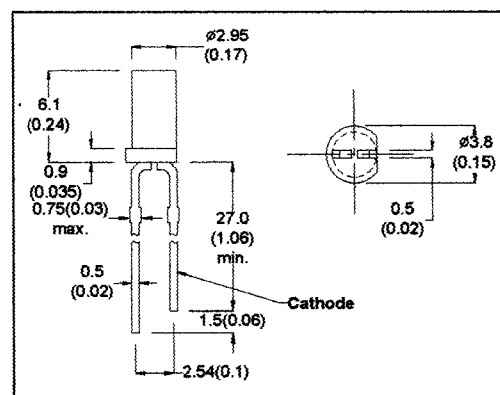


DESCRIPTION

This series of solid state indicators are 3mm diameter flat top lamps

MGB37D is green LED with a green diffused lens.
MOB37D is orange LED with an orange diffused lens.
MOB37DR is orange LED with an red diffused lens.
MSB37D is red LED with a red diffused lens.
MYB37D is yellow LED with a 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 Soldering Temperature (1/16" from body)

MSB37D

45mW
15mA
5V

MYB37D

60mW
20mA
5V
-50 to +100°C
260°C for 5 sec.

MGB37D

MOB37D

MOB37DR

90mW
30mA
5V

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

PARAMETER	SYMBOL	MGB37D	MOB37D	MOB37DR	MSB37D	MYB37D	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	5.0	3.5	3.5	0.35*	3.0	mcd	IF=20mA
	TYP	9.0	6.0	6.0	0.50*	5.0	mcd	
Peak Wavelength	TYP λ_p	570	630	640	700	585	nm	IF=20mA
Spectral Line Half Width	TYP $\Delta\lambda$	30	40	40	100	35	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	140	140	140	140	140	degree	IF=20mA

*IF=10mA

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MSB37D

