

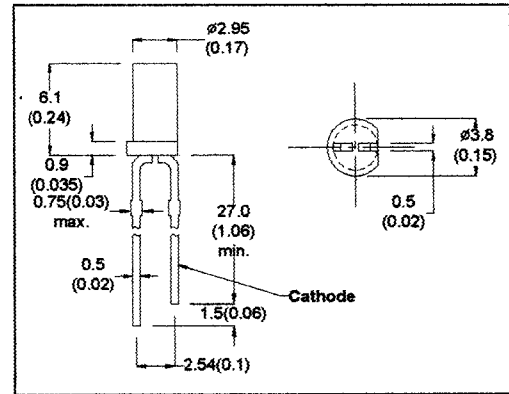
MICRO ELECTRONICS

MOB37D
 MSB37D
 MYB37D
 3mm FLAT TOP
 LED LAMPS

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 a 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 : +/- 0.3mm

ABSOLUTE MAXIMUM RATINGS

	<u>MSB37D</u>	<u>MYB37D</u>	<u>MGB37D</u> <u>MOB37D</u> <u>MOB37DR</u>
Power Dissipation @ Ta=25°C	45mW	60mW	90mW
Forward Current, DC (IF)	15mA	20mA	30mA
Reverse Voltage	5V	5V	5V
Operating & Storage Temperature Range		-50 to +100°C	
Lead Soldering Temperature (1/16" from body)		260°C for 5 sec.	

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°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	0.5 0*	5.0	mcd	
Peak Wavelength	TYP λp	570	630	640	700	585	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	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

