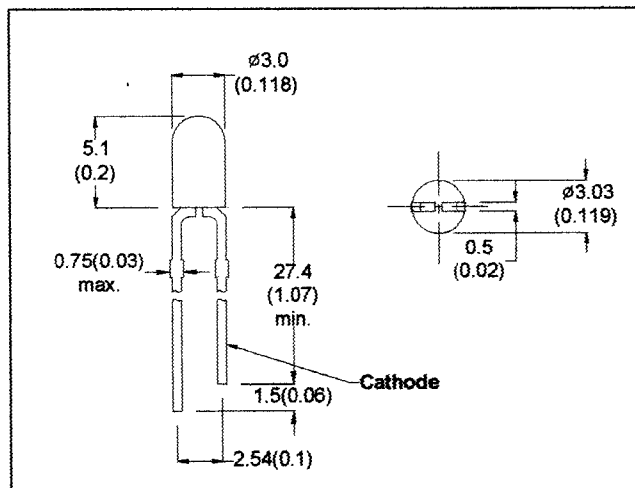


DESCRIPTION

This series of solid state indicators are 3mm diameter flangeless lamps

MGB33D is green LED with a green diffused lens.
MOB33D is orange LED with an orange diffused lens.
MOB33DR is orange LED with a red diffused lens.
MRB33D is red LED with a red diffused lens.
MSB33D is red LED with a red diffused lens.
MYB33D is yellow LED with a 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 Soldering Temperature (1/16" from body)

MGB33D
MOB33D
MOB33DR

90mW
30mA
5v

MRB33D

80mW
40mA
5V

MSB33D

45mW
15mA
5V

MYB33D

60mW
20mA
5V

-55 to +100°C
260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MGB33D	MOB33D	MOB33DR	MRB33D	MSB33D	MYB33D	UNIT	CONDITIONS
Forward Voltage	MAX VF	3.0	3.0	3.0	2.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN BVR	5	5	5	5	5	5	V	IR=100 μA
Luminous Intensity	MIN IV	20	15	15	1	1.2*	12	med	IF=20mA
	TYP	35	25	25	1.5	1.8*	20	med	
Peak Wavelength	TYP λp	570	630	640	660	700	585	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	30	40	40	20	100	35	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	70	70	70	70	70	70	degree	IF=20mA

* IF = 10mA

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