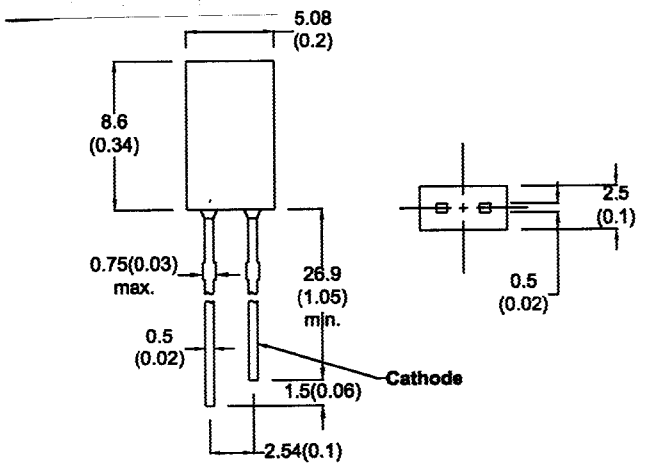
MICRO ELECTRONICS

MOB61DR
MGB61D
MYB61D

DESCRIPTION

This series of solid state indicators are encapsulated in rectangular epoxy package.
They are stackable in X or Y direction.

MSB61D is red chip with red diffused lens.
MRB61D is red chip with red diffused lens.
MOB61D is orange chip with orange diffused lens.
MOB61DR is high efficiency red chip with red diffused lens.
MGB61D is green chip with green diffused lens.
MYB61D is yellow chip with yellow diffused lens.



- All dimension in mm(inch)
- No Scale
- Tol. : +/-0.3mm

ABSOLUTE MAXIMUM RATINGS

	MSB61D	MRB61D	MOB61D	MOB61DR	MGB61D	MYB61D	UNIT
Power Dissipation @ Ta=25°C	40	80	100	100	100	60	mW
Forward Current, DC (IF)	15	40	30	30	30	20	mA
Reverse Voltage	5	5	5	5	5	5	V
Operating & Storage Temperature Range	-55 to +100						°C
Lead Soldering Temperature (1/16" from body)	260						°C

ELECTRO-OPTICAL CHARACTERISTIC (Ta=25°C)

PARAMETER		SYMBOL	MSB61D	MRB61D	MOB61D	MOB61DR	MGB61D	MYB61D	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	2.0	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	500	350	2500	2500	3000	2200	μcd	IF=20mA
	TYP		650	550	4000	4000	4500	3000	μcd	IF=20mA
Peak Wavelength	TYP	λp	700	660	630	640	570	585	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	100	20	35	35	30	35	nm	IF=20mA
Viewing Angle	TYP	2θ 1/2	156	156	156	156	156	156	nm	IF=20mA

* MSB61D : IF=10mA.

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