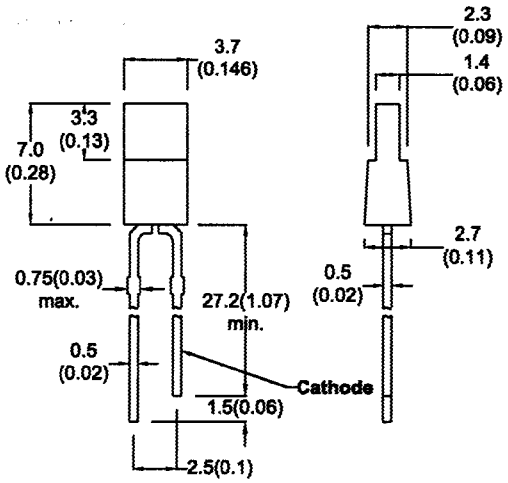
MICRO ELECTRONICS

MYB77D
MOB77D
MOB77DR

DESCRIPTION

This series of solid state indicators are 1.4mm x 3.7mm rectangular bars package.

MRB77D is a GaAsP/GaAs red chip with red diffused lens.
MSB77D is a GaP/GaP red chip with red diffused lens.
MGB77D is a GaP/GaP green chip with green diffused lens.
MYB77D is a GaAsP/GaP yellow chip with yellow diffused lens.
MOB77D is a GaAsP/GaP orange chip with orange diffused lens.
MOB77DR is high efficiency red chip with red diffused lens.



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

ABSOLUTE MAXIMUM RATINGS

	MRB77D	MSB77D	MOB77DR	MGB77D	MOB77D	MYB77D	UNIT
Power Dissipation @ Ta=25°C	80	40	100	100	100	60	mW
Forward Current, DC (IF)	40	15	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℃)

PARAMETER		SYMBOL	MRB77D	MSB77D	MOB77DR	MGB77D	MOB77D	MYB77D	UNIT	CONDITIONS
Forward Voltage	MAX	VF	2.0	3.0	3.0	3.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltag	MIN	BVR	5	5	5	5	5	5	V	IR=100μA
Luminous Intensity	MIN	IV	0.3	0.4*	1.8	2.2	1.8	1.6	mcd	IF=20mA
	TYP		0.4	0.5*	3.0	3.8	3.0	2.2	mcd	IF=20mA
Peak Wavelength	TYP	λp	660	700	640	570	630	595	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	20	100	40	30	40	35	nm	IF=20mA
Viewing Angle	TYP	2θ 1/2	172	172	172	172	172	172	degree	IF=20mA

* IV @ IF=10mA.

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