

# MICRO ELECTRONICS

MSB73D  
MRB73D  
MGB73D  
MYB73D  
MOB73D  
MOB73DR

## DESCRIPTION

MXB73D is a red LED encapsulated in a 1mm x 5mm rectangular bars package..

MSB73D is a GaP/GaP red LED with red diffused lens.

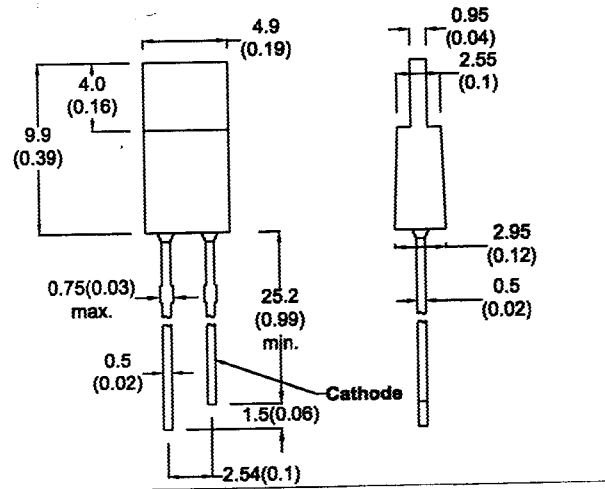
MRB73D is a GaAsP/GaAs red LED with red diffused lens.

MGB73D is a GaP/GaP green LED with green diffused lens.

MYB73D is a GaAsP/GaP yellow LED with yellow diffused lens.

MOB73D is a GaAsP/GaP orange LED with orange diffused lens.

MOB73DR is a GaAsP/GaP orange LED with red diffused lens.



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

## ABSOLUTE MAXIMUM RATINGS

	M S B 7 3 D	M R B 7 3 D	M G B 7 3 D	M Y B 7 3 D	M O B 7 3 D	M O B 7 3 D R	UNIT
Power Dissipation @ Ta=25°C	45	80	100	60	100	100	mW
Forward Current, DC (IF)	15	40	30	20	30	30	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 CHARACTERISTICS (Ta=25°C)

PARAMETER		S Y M B O L	M S B 7 3 D	M R B 7 3 D	M G B 7 3 D	M Y B 7 3 D	M O B 7 3 D	M O B 7 3 D R	U N I T	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=100 μA
Luminous Intensity	MIN	IV	0.30*	0.20	1.75	1.28	1.50	1.50	mcd	IF=20mA
Peak Wavelength	TYP	λp	700	660	570	585	630	640	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	100	20	30	35	40	40	nm	IF=20mA

\* IF=10mA.

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