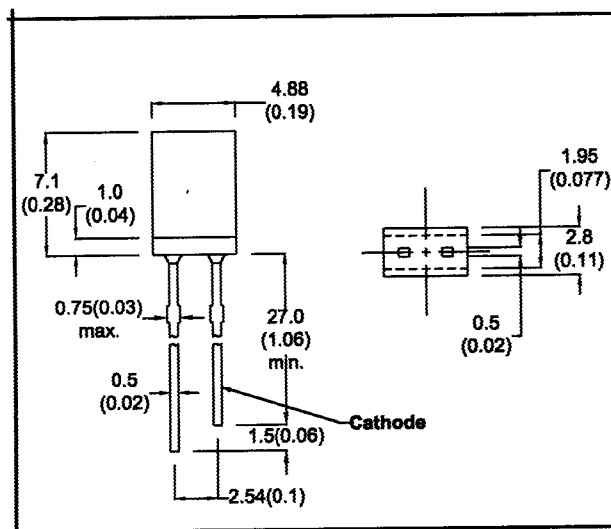


DESCRIPTION

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

- MSB62D is red chip with red diffused lens.
- MSB62DA is GaAlAs red chip with red diffused lens.
- MRB62D is red chip with red diffused lens.
- MOB62D is orange chip with orange diffused lens.
- MOB62DR is high efficiency red chip with red diffused lens.
- MGB62D is green chip with green diffused lens.
- MYB62D is yellow chip with yellow diffused lens.



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

ABSOLUTE MAXIMUM RATINGS

	M S B 6 2 D	M S B 6 2 D A	M R B 6 2 D	M O B 6 2 D	M O B 6 2 D R	M G B 6 2 D	M Y B 6 2 D	UNIT
Power Dissipation @ Ta=25°C	40	40	80	100	100	100	60	mW
Forward Current. DC (IF)	15	40	40	30	30	30	20	mA
Reverse Voltage	5	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		S Y M B O L	M S B 6 2 D	M S B 6 2 D A	M R B 6 2 D	M O B 6 2 D	M O B 6 2 D R	M G B 6 2 D	M Y B 6 2 D	U N I T	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	3.0	3.0	3.0	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN	BVR	5	5	5	5	5	5	5	V	IR=100µA
Luminous Intensity	MIN	IV	0.6*	7	0.4	3	3	3.5	2.5	med	IF=20mA
	TYP		0.8	10	0.65	5	5	6	3.5	med	
Peak Wavelength	TYP	λp	700	660	660	630	640	570	585	nm	IF=20mA
Spectral Line Half Width	TYP	Δλ	100	20	20	40	40	30	35	nm	IF=20mA

* IF=10mA.



MICRO ELECTRONICS LTD.

38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.

Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5