MICRO ELECTRONICS

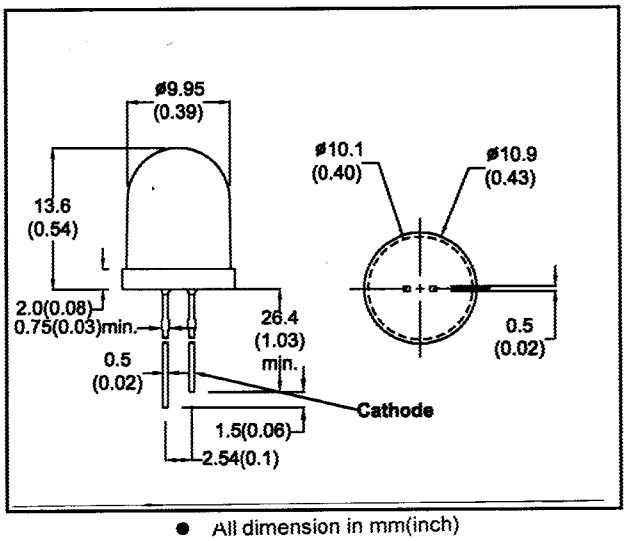
MOB100DR

ORANGE
LED LAMPS

DESCRIPTION

MOB100D and MOB100DR are high efficiency orange LED lamp encapsulated in a 10mm diameter, large package.

MOB100D is orange diffused lens .
MOB100DR is red diffused lens.



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

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @ Ta=25℃	90mW
Forward Current, DC (IF)	30mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100℃
Lead Temperature	260℃

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25℃)

PARAMETER		SYMBOL	MOB100D	MOB100DR	UNIT	CONDITIONS
Forward Voltage	MAX	VF	3.0	3.0	V	IF=20mA
Reverse Breakdown Voltage	MIN	BVR	5	5	V	IR=100 μA
Luminous Intensity	MIN	IV	18	18	mcd	IF=20mA
	TYP		32	32	mcd	
Peak Wavelength	TYP	$\lambda\rho$	630	640	nm	IF=20mA
Spectral Line Half Width	TYP	$\Delta\lambda$	40	40	nm	IF=20mA
Vieing Angle	TYP	$2\Theta 1/2$	60	60	degree	IF=20mA

MICRO ELECTRONICS LTD.
38, Hung To Road, Microtron Bulding, 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

Mar-99