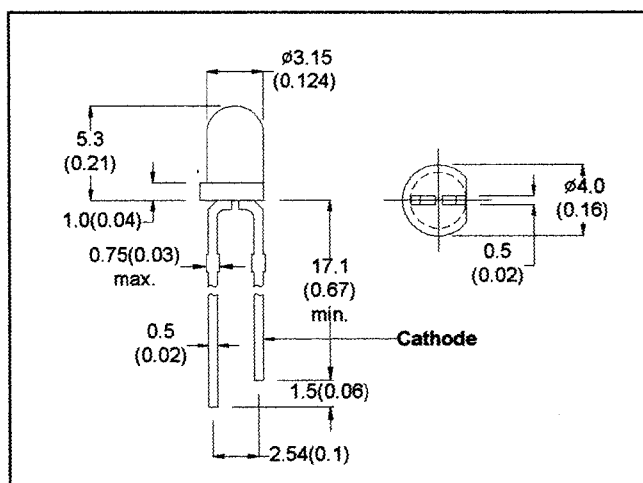


DESCRIPTION

MO31CR and MO31DR are high efficiency red LED lamp encapsulated in a 3mm diameter, round type lens.

MO31CR with red transparent lens and
MO31DR with red diffused lens.



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

ABSOLUTE MAXIMUM RATINGS

Power Dissipation @Ta=25°C

90mW

Forward Current, DC (IF)

30mA

Reverse Voltage

5V

Operating & Storage Temperature Range

-55 to +100°C

Lead Soldering Temperature (1/16" from body)

260°C for 5 sec.

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25°C)

PARAMETER	SYMBOL	MO31CR	MO31DR	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	45	10	mcd	IF=20mA
	TYP	60	15	mcd	
Peak Wavelength TYP	λ_p	640	640	nm	IF=20mA
Spectral Line Half Width TYP	$\Delta\lambda$	40	40	nm	IF=20mA
Viewing Angle	$2\theta_{1/2}$	40	60	degree	IF=20mA

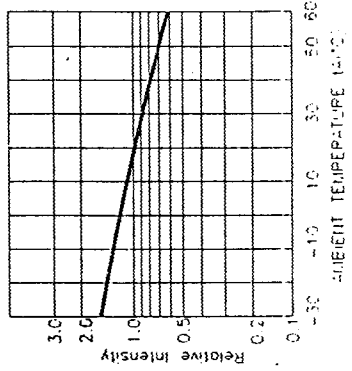
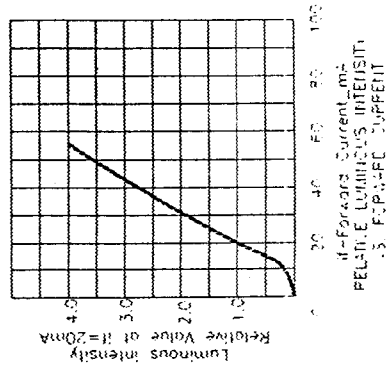
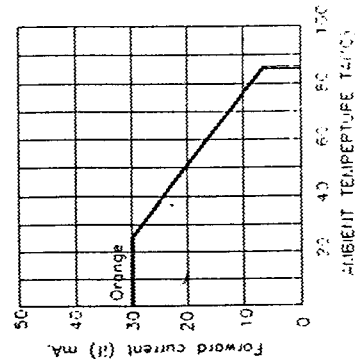
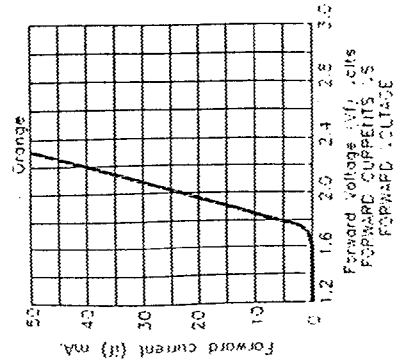
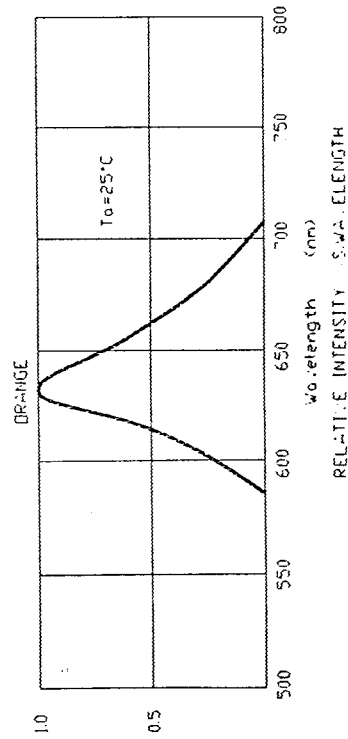
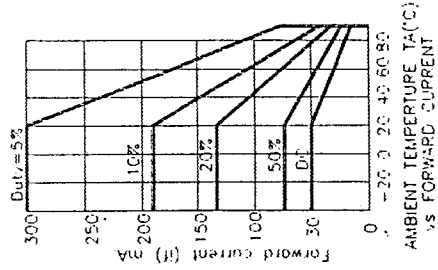
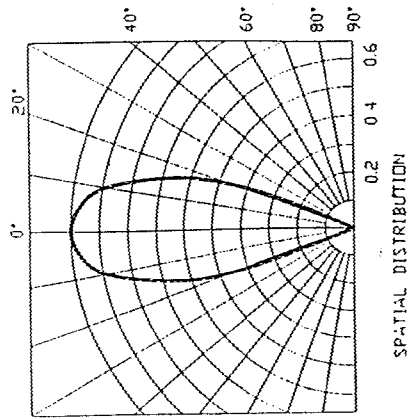
MICRO ELECTRONICS LTD.

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

Aug-99

MO310R



MO31DR

