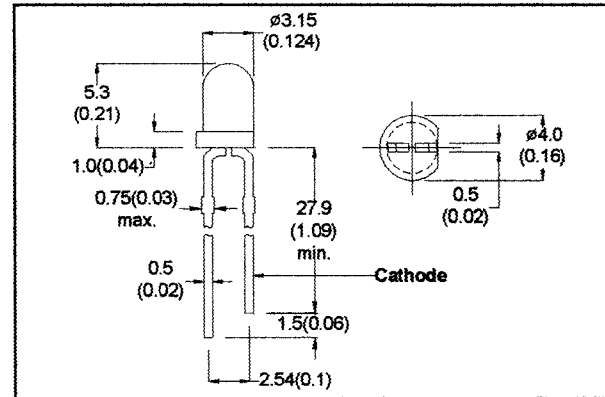


DESCRIPTION

MOB31CR and MOB31DR are high efficiency red LED lamp encapsulated in a 3mm diameter, round type lens.

MOB31CR with red transparent lens and MOB31DR 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	MOB31CR	MOB31DR	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	60	20	mcd	IF=20mA
	TYP	90	30	mcd	
Peak Wavelength	TYP λp	640	640	nm	IF=20mA
Spectral Line Half Width	TYP Δλ	40	40	nm	IF=20mA
Viewing Angle	TYP 2θ 1/2	40	60	degree	IF=20mA

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