

DESCRIPTION

MOB81 Series are GaAsP/GaP orange LED lamp with 2.37x4.88mm round rectangular bars.

MOB81CA is orange chip with orange transparent lens.

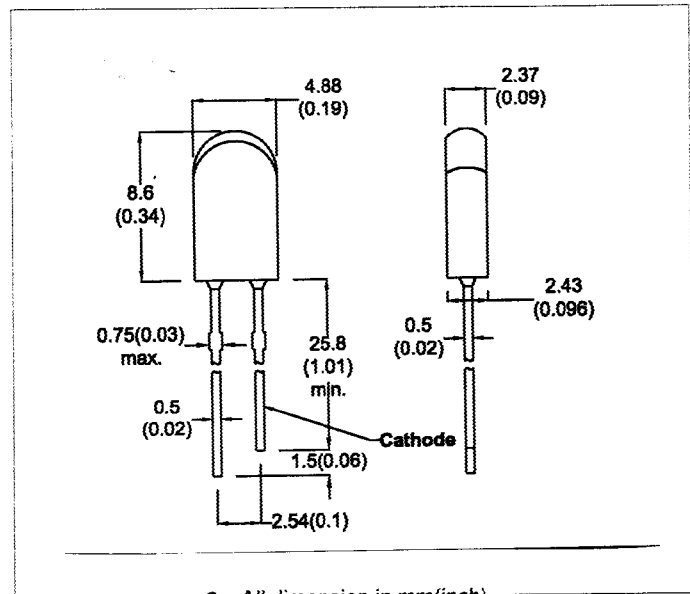
MOB81CRA is orange chip with red transparent lens.

MOB81D is orange chip with orange diffused lens.

MOB81DR is orange chip with red diffused lens.

MOB81TA is orange chip with clear transparent lens.

MOB81W is orange chip with clear diffused lens.



ABSOLUTE MAXIMUM RATINGS

Power Dissipation (α , $T_a=25^\circ\text{C}$)	90mW
Forward Current, DC (I_F)	30mA
Reverse Voltage	5V
Operating & Storage Temperature Range	-55 to +100°C
Lead Temperature	260°C

ELECTRO-OPTICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

PARAMETER	SYMBOL	MOB81CA	MOB81D	MOB81TA	MOB81W	UNIT	CONDITIONS	
								MOB81CRA
Forward Voltage	MAX	VF	3.0	3.0	3.0	3.0	V	$I_F=20\text{mA}$
Reverse Breakdown Voltage	MIN	BVR	5	5	5	5	V	$I_R=100\mu\text{A}$
Luminous Intensity	MIN	IV	100	25	100	25	mcd	$I_F=20\text{mA}$
	TYP		180	40	180	40	mcd	$I_F=20\text{mA}$
Peak Wavelength	TYP	λ_p	630	630	630	630	nm	$I_F=20\text{mA}$
Spectral Line Half Width	TYP	$\Delta\lambda$	35	35	35	35	nm	$I_F=20\text{mA}$
Viewing Angle	TYP	2θ 1/2	16	124	16	124	degree	$I_F=20\text{mA}$



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