

MELECTRONICS MICRO

MOB100CAH
MOB100DAH

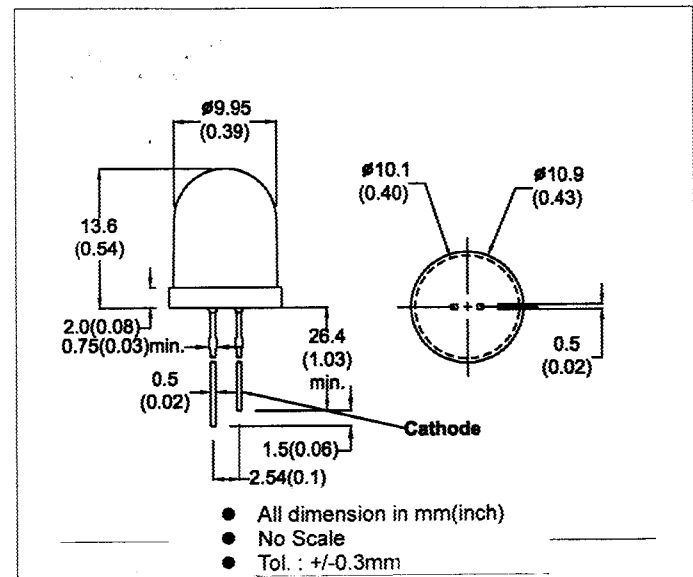
ULTRA HIGH
BRIGHTNESS
ORANGE LED LAMP

DESCRIPTION

MOB100CAH and MOB100DAH are ultra high efficiency AlGaInP super orange LED lamp encapsulated in a 10mm diameter large package.

MOB100CAH is orange transparent lens.

MOB100DAH is orange duffused lens.



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	MIN	TYP	MAX	UNIT	CONDITIONS
Forward Voltage	VF		2.4	3.0	V	IF=20mA
Reverse Breakdown Voltage	BVR	5			V	IR=100μA
Luminous Intensity	IV					
MOB100CAH		2200	3000		mcd	IF=20mA
MOB100DAH		300	400		mcd	IF=20mA
Peak Wavelength	λp	615	620	625	nm	IF=20mA
Spectral Line Half Width	Δλ		17	20	nm	IF=20mA
Viewing Angle	2θ 1/2					
MOB100CAH			28		degree	IF=20mA
MOB100DAH			60		degree	IF=20mA



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