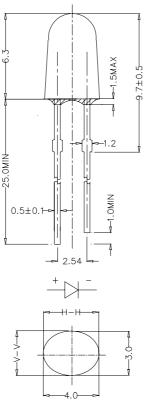


Part #: LO484NHR4-B0G

Product Description: Red 100° Elliptical LED lamp with tinted diffused lens and stand offs.

Resin: Epoxy Lens Color: Water Transparent Lead Frame: Ag Plating Copper Alloy Dice: AlGaInP

## DIMENSION DRAWING



- NOTES: 1. ALL DIMENSIONS ARE IN mm TOLERANCE IS.±0.25mm UNLESS OTHERWISE NOTED.
  - 2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.5mm DOWN THE LEADS.
  - 3. BURR AROUND BOTTOM OF EPOXY MAY BE 0.5 mm MAX.

## For Pricing and Delivery Information Contact:

### Marktech Optoelectronics\*

120 Broadway, Menands, NY 12204 Phone: 800.984.5337 FAX: 518.432.7454 Web Site: www.marktechopto.com

\*Marktech is the exclusive North American Technical Sales and Marketing office for COTCO LED products

# **SPECIFICATION**

#### Absolute Maximum Rating $(T_a = 25 \cdot)$

Items	Symbol	Absolute maximum Rating	Unit
Forward Current	$I_{\rm F}$	50	mA
Peak Forward Current pulse width •0.1msec duty •1/10	I <sub>FP</sub> 200		mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	150	mW
Operation Temperature	T <sub>opr</sub>	-40 ~ + 95	•
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	•
Lead Soldering Temperature	T <sub>sol</sub>	260°C for 5sec (3mm from the base of the epoxy bulb)	

#### Initial Electrical/Optical Characteristics $(T_a = 25 \cdot)$

Items	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	$V_{\rm F}$	$I_F = 20 m A$	1.7	2.0	2.5	V
Reverse Current	I <sub>R</sub>	$V_R = 5V$			100	••
Wavelength	$\lambda_{\mathrm{D}}$	$I_F = 20mA$	620	624	628	nm
Luminous Intensity	$I_V$	$I_F = 20mA$	280	450		mcd
50% Power Angle	2•½ H-H	$I_F = 20 m A$		100		deg
	2•½ V-V	$I_F = 20 m A$		45		deg

Luminous Intensity Combination

Rank	Р	Q	R
Luminous Intensity (If=20mA)	280-390 mcd	390-550 mcd	550-770 mcd

\*One normal delivery will include all ranks listed above.

The quantity ratio of the ranks is decided by COTCO.

Measurement Uncertainty of the Luminous intensity  $\pm 15\%$ 

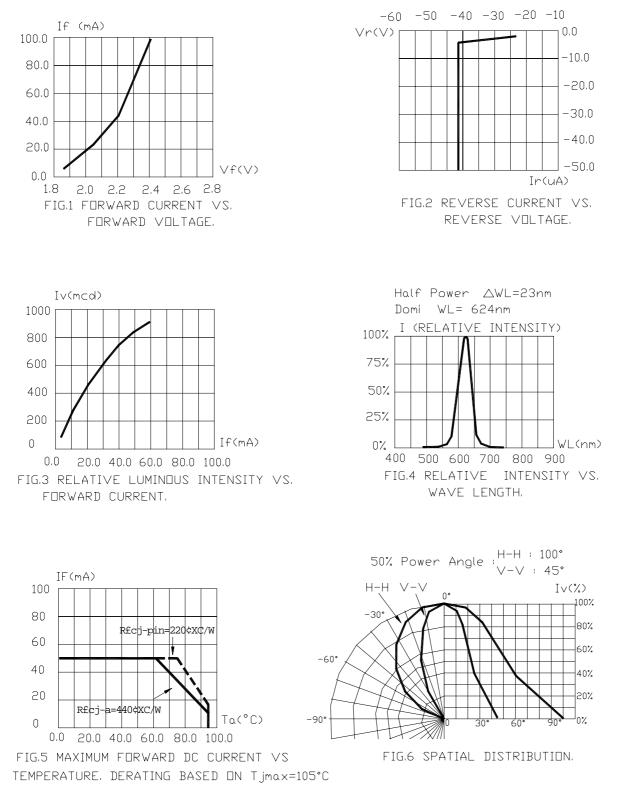
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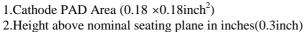
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### LO484NHR4-B0G

## GRAPHS





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