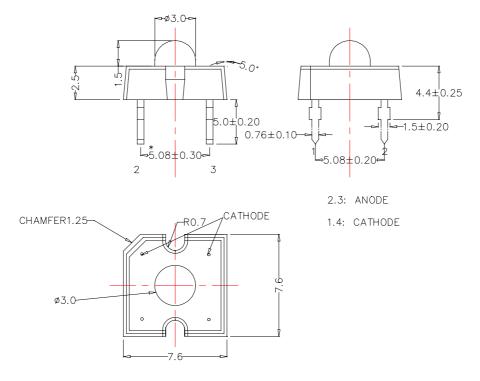


Part #: LP377THR1-70G

Product Description: Red 70° 7.6x7.6mm LED lamp with water transparent 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

Items	Symbol	Absolute maximum Rating	Unit			
Forward Current	$I_{\rm F}$	70	mA			
Peak Forward Current pulse width •0.1msec duty •1/10	$I_{\rm FP}$	200	mA			
Reverse Voltage	V _R	5	V			
Power Dissipation	P _D	150	mW			
Operation Temperature	T _{opr}	-40 ~ +100	•			
Storage Temperature	T _{stg}	-40 ~ +100	•			
Lead Soldering Temperature	T _{sol}	260°C for 5sec (3mm from the base of the epoxy bulb)				

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

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

Items	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	\mathbf{V}_{F}	$I_F = 70 \text{mA}$	2.2	2.6	3.0	V
Reverse Current	I _R	$V_R = 5V$			100	••
Wavelength	λ_{D}	$I_F = 70 \text{mA}$	625	628	635	nm
Luminous Flux	$\Phi_{ m V}$	$I_F = 70 \text{mA}$	2200	4000		mlm
50% Power Angle	2•1⁄2	$I_F = 70 \text{mA}$		70		deg

Luminous Flux Combination *

Rank	R	S	Т
Luminous Flux (If=70mA)	2200-3000 mlm	3000-4180 mlm	4180-5860 mlm

One normal delivery will include all ranks listed above.

The quantity ratio of the ranks is decided by COTCO.

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

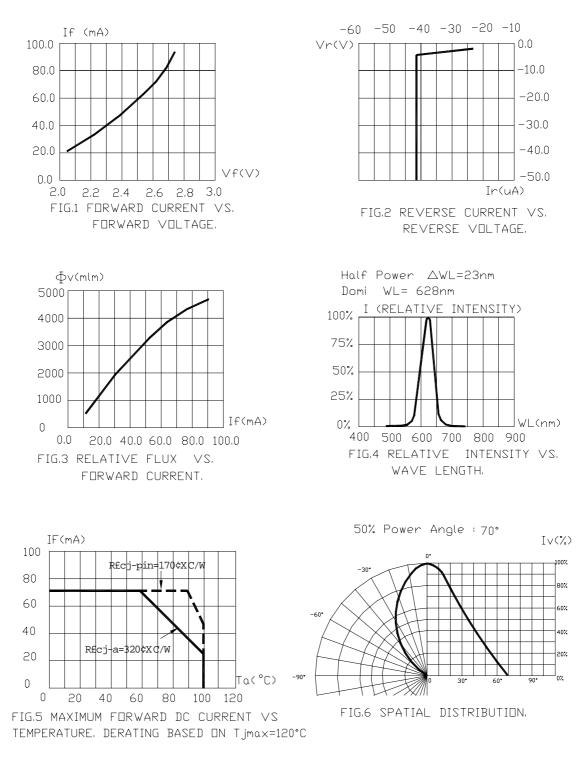
 Φ_V test condition: If=70mA.

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GRAPHS



Cathode PAD Area (0.18 ×0.18 ×2inch²)
 Height above nominal seating plane in inches(0.3inch)

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