

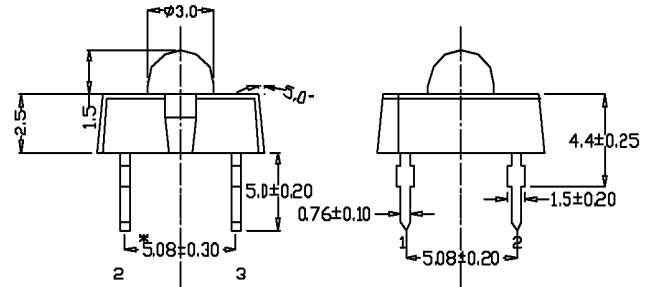
LP377AHR1-70G

Features

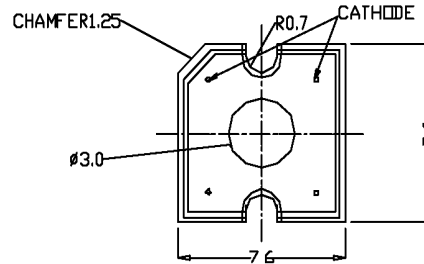
- Low Profile
- 4 Pin Plastic Package
- Water Clear Lens
- High Flux Output
- High Current Operation

Applications

- Automotive Interior Exterior Lighting
- Rail Signals
- Traffic Control Devices
- Channel Letters
- Strip Lighting
- Architectural Lighting



2.3 ANODE
1.4 CATHODE



NOTES:
1. All Dimensions are in mm. Tolerance is ± 0.25 mm.
2. An Epoxy Meniscus may extend about 1.5mm down the leads.
3. Burr around bottom of epoxy may be 0.5mm Max.

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	70	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	210.00	mW
Operating Temperature	T _{opr}	-40 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	-	for 5 sec. max	-

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =70mA	-	2.50	3.00	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Flux	Φ	I _F =70mA	3000.00	4500.00	-	mlm
Viewing Angle	2θ ^{1/2}	-	-	70°	-	deg.
Peak Wavelength	λ _p	I _F =70mA	-	632	-	nm
Dominant Wavelength	λ _d	I _F =70mA	-	624	-	nm
Spectral Line Half Width	Δλ	I _F =70mA	-	20	-	nm

Company Headquarters
120 Broadway
Menands, New York 12204
Toll Free: 800.984.5337
Fax: 518.432.7454



Web: www.marktechopto.com | Email: info@marktechopto.com

California Sales Office:
950 South Coast Drive, Suite 265
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314

LP377AHR1-70G Graphs

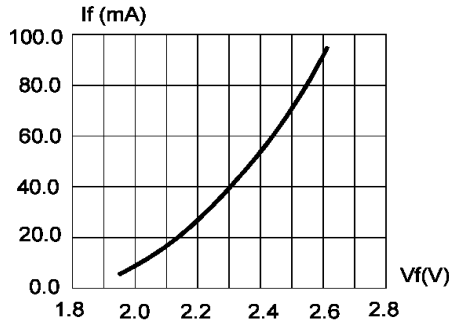


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

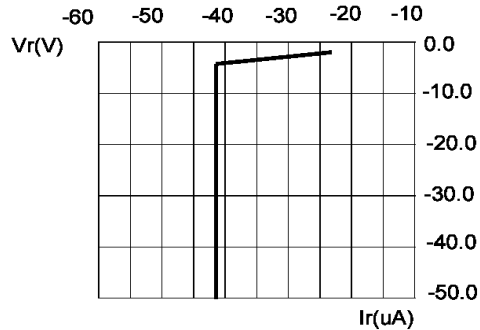


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

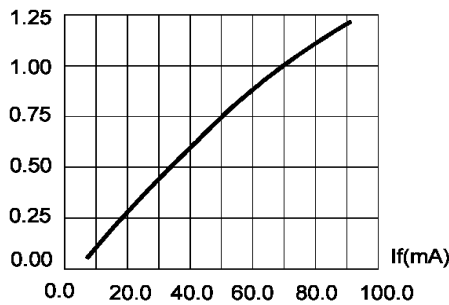


FIG.3 RELATIVE LUMINOUS FLUX VS. FORWARD CURRENT.

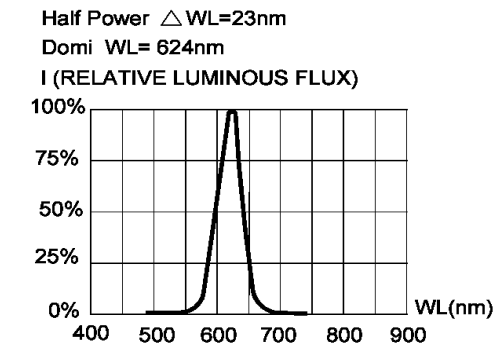


FIG.4 RELATIVE LUMINOUS FLUX VS. WAVELENGTH.

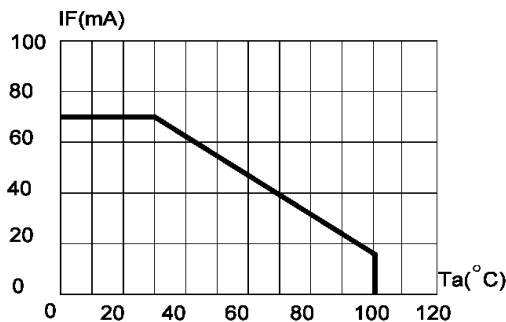


FIG.5 MAXIMUM FORWARD DC CURRENT VS AMBIENT TEMPERATURE ($T_{jmax}=120^{\circ}C$)

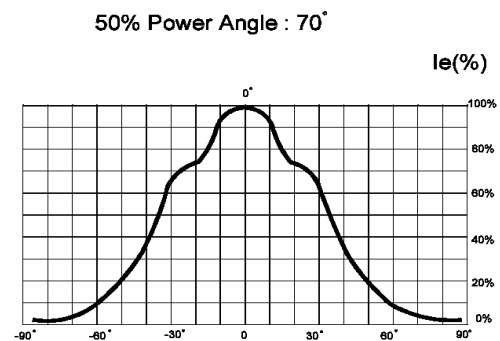


FIG.6 FAR FIELD PATTERN