

LP377TYL1-A0G

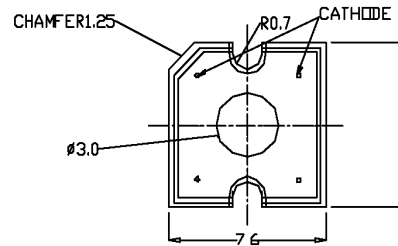
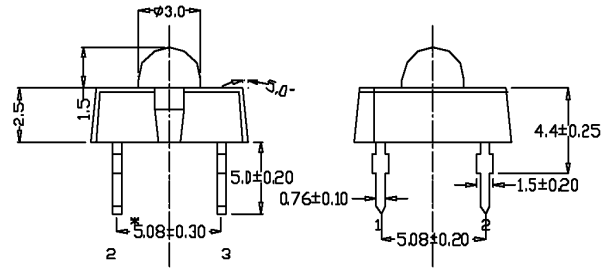
Features

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



ATTENTION

OBSERVE PRECAUTIONS
ELECTROSTATIC
SENSITIVE DEVICES



2.3 ANODE
1.4 CATHODE

NOTES:

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

Applications

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

Maximum Ratings (Ta=25°C)

Characteristic	Symbol	Max.	Unit
Forward Current	I _F	70	mA
Reverse Voltage	V _R	5.00	V
Power Dissipation	P _D	220.00	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	--	2.60	3.20	V
Reverse Current	I _R	V _R =5V	-	-	100	μA
Luminous Flux	Φ	I _F =70mA	2000.00	3200.00	-	mlm
Viewing Angle	2θ ^{1/2}	-	-	100°	-	deg.
Peak Wavelength	λ _p	I _F =70mA	-	594	-	nm
Dominant Wavelength	λ _d	I _F =70mA	-	591	-	nm
Spectral Line Half Width	Δλ	I _F =70mA	-	20	-	nm

Company Headquarters
3 Northway Lane North
Latham, New York 12110
Toll Free: 800.984.5337
Fax: 518.785.4725



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

California Sales Office:
950 South Coast Drive, Suite 225
Costa Mesa, California 92626
Toll Free: 800.984.5337
Fax: 714.850.9314

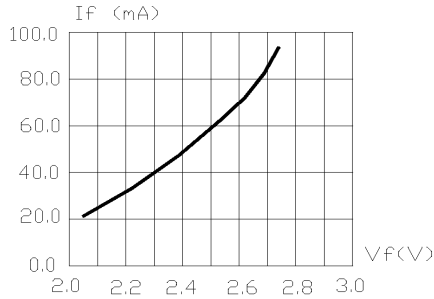


FIG.1 FORWARD CURRENT VS. FORWARD VOLTAGE.

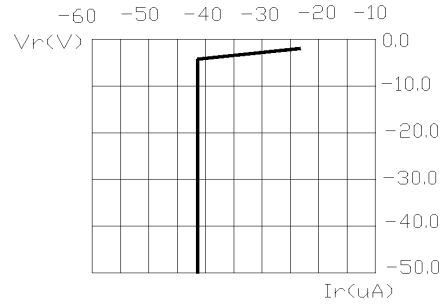


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

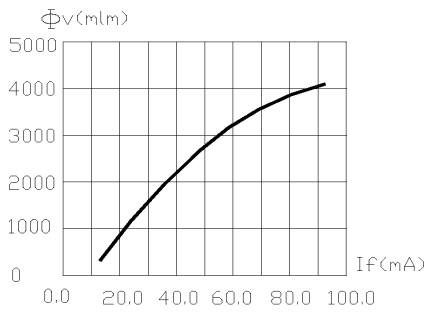


FIG.3 RELATIVE FLUX VS. FORWARD CURRENT.

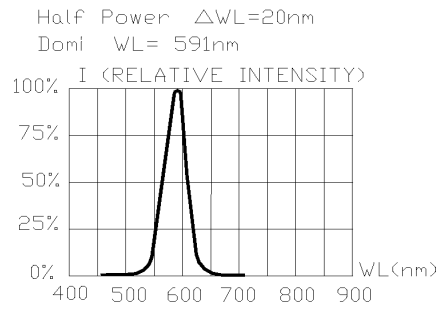


FIG.4 RELATIVE INTENSITY VS. WAVE LENGTH.

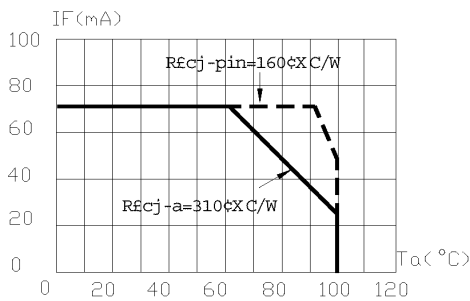


FIG.5 MAXIMUM FORWARD DC CURRENT VS TEMPERATURE. DERATING BASED ON $T_{jmax}=120^{\circ}C$

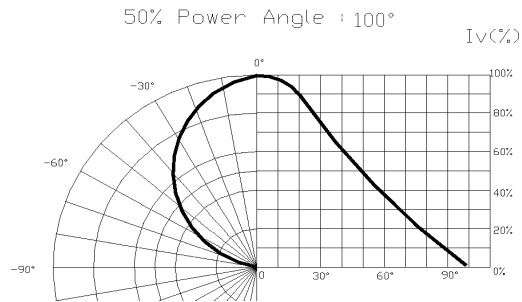


FIG.6 SPATIAL DISTRIBUTION.

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