

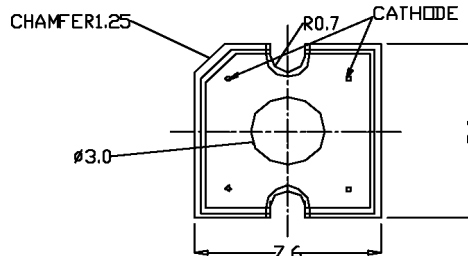
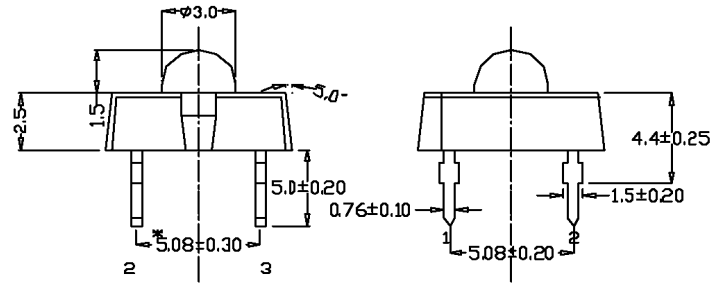
## LP377AYL1-A0G

### 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  $\pm 0.25$ 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 ( $T_a=25^\circ\text{C}$ )

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	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100	$^\circ\text{C}$
Soldering Temperature	$T_{sol}$	260	$^\circ\text{C}$
Soldering Time	-	for 5 sec. max	-

### Opto-Electrical Characteristics ( $T_a=25^\circ\text{C}$ )

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=70\text{mA}$	-	2.50	3.00	V
Reverse Current	$I_R$	$V_R=5\text{V}$	-	-	100	$\mu\text{A}$
Luminous Flux	$\Phi$	$I_F=70\text{mA}$	3000.00	5000.00	-	mlm
Viewing Angle	$2\theta^{1/2}$	-	-	$100^\circ$	-	deg.
Peak Wavelength	$\lambda_p$	$I_F=70\text{mA}$	-	594	-	nm
Dominant Wavelength	$\lambda_d$	$I_F=70\text{mA}$	-	591	-	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F=70\text{mA}$	-	20	-	nm

## LP377AYL1-A0G Graphs

