

LP377PBL1-60G

Features

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

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	30	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	132.00	mW
Operating Temperature	T _{opr}	-40 ~ +100	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260	°C
Soldering Time	—	for 3 sec. max	—

Opto-Electrical Characteristics (Ta=25°C)

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V _F	I _F =30mA	—	3.60	4.40	V
Reverse Current	I _R	V _R =5V	—	—	100	μA
Luminous Flux	Φ	I _F =30mA	250.00	850.00	—	mlm
Viewing Angle	2θ ^{1/2}	—	—	60°	—	deg.
Peak Wavelength	λ _p	I _F =30mA	—	465	—	nm
Dominant Wavelength	λ _d	I _F =30mA	—	470	—	nm
Spectral Line Half Width	Δλ	I _F =30mA	—	28	—	nm

LP377PBL1-60G Graphs

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