

## 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 <sub>F</sub>	30	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	132.00	mW
Operating Temperature	T <sub>opr</sub>	-40 ~ +100	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Soldering Temperature	T <sub>sol</sub>	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 <sub>F</sub>	I <sub>F</sub> =30mA	-	3.60	4.40	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	100	μA
Luminous Flux	Φ	I <sub>F</sub> =30mA	250.00	850.00	-	mlm
Viewing Angle	2θ <sup>1/2</sup>	-	-	60°	-	deg.
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> =30mA	-	465	-	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =30mA	-	470	-	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> =30mA	-	28	-	nm

**LP377PBL1-60G Graphs**

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