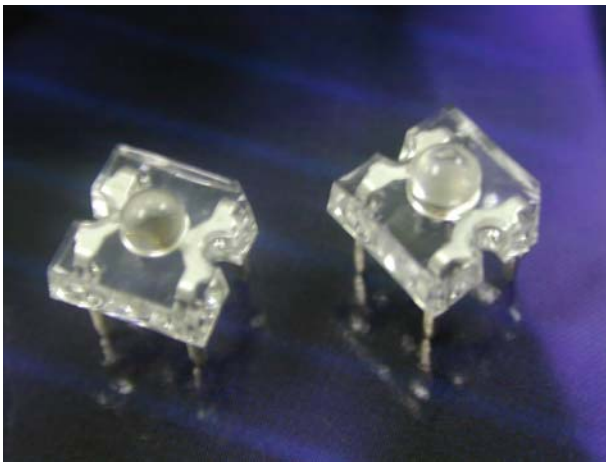


Part Number: L-7677C2SURC-G



Technical Data

Features:

- *High Luminance output.
- *Design for High Current Operation.
- *Uniform Color.
- *Low Power Consumption.
- *Low Thermal Resistance.
- *Low Profile.
- *Packaged in tubes for use with automatic insertion equipment.
- *RoHS Compliant.

Benefits:

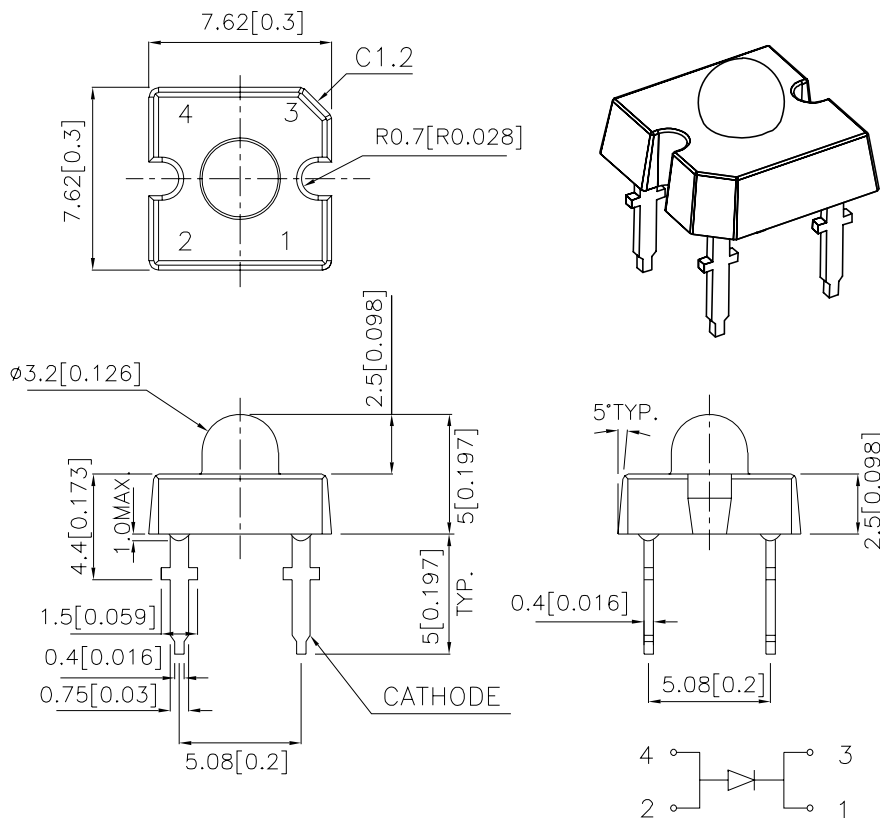
- *Outstanding Material Efficiency.
- *Electricity savings.
- *Maintenance savings.
- *Reliable and Rugged.

Typical Applications:

- *Automotive Exterior Lighting.
- *Electronic Signs and Signals.
- *Specialty Lighting.



Outline Drawings



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

PARAMETER	SUR-G	UNITS
DC Forward Current	70	mA
Power dissipation	182	mW
Reverse Voltage	5	V
Operating Temperature	-40 To +85	$^\circ\text{C}$
Storage Temperature	-55 To +85	$^\circ\text{C}$
Lead Solder Temperature ^[1]	260 $^\circ\text{C}$ For 5 Seconds	

1. 1.5mm[0.06inch] below seating plane.

Selection Guide

Part No.	LED COLOR	Iv(cd) ^[1] @70mA		Viewing Angle ^[2]
		Min.	Typ.	2θ1/2 Typ.
L-7677C2SURC-G	DH InGaAlP RED	4.7	8.0	30°

Notes:

- Luminous intensity is measured with an integrating sphere after the device has stabilized; Luminous intensity / luminous flux: +/-15%.
- θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Optical Characteristics at TA=25°C

IF=70mA Rθj-a=200°C/W

DEVICE TYPE	PEAK WAVELENGTH λPEAK (nm) TYP.	DOMINANT ^[1] WAVELENGTH λDOM (nm) TYP.	SPECTRAL LINE WAVELENGTH Δλ1/2(nm) TYP.
SUR-G	640	630	22

Note:

- The dominant wavelength is derived from the CIE Chromaticity Diagram and represents the perceived color of the device; Wavelength: +/-1nm.

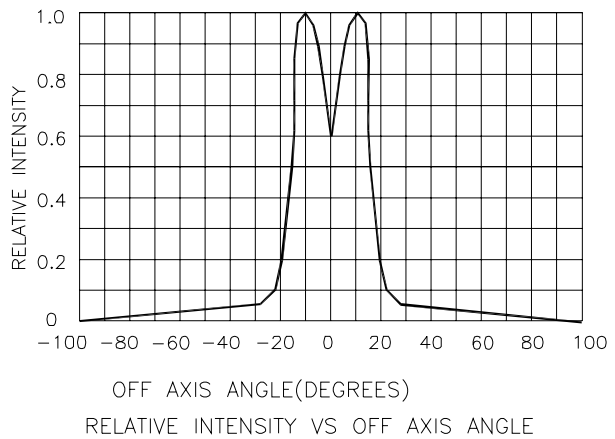
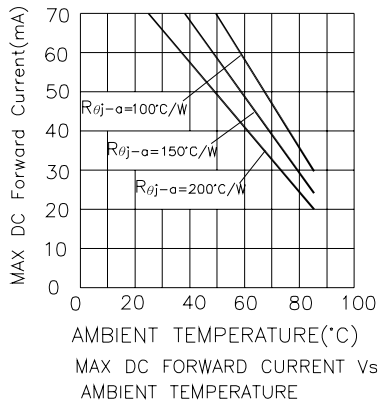
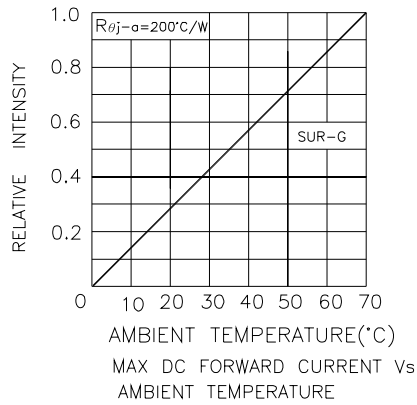
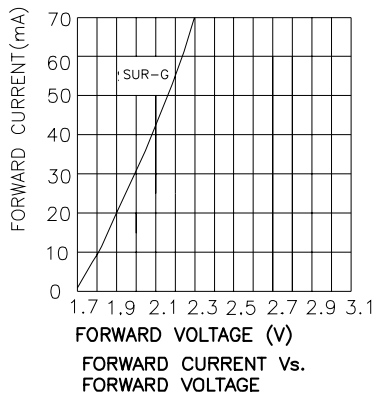
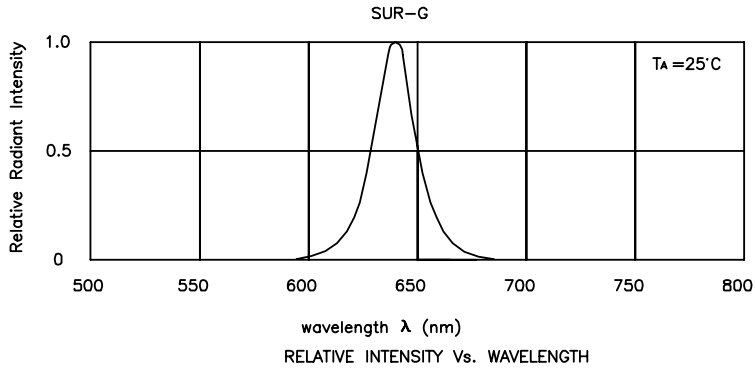
Electrical Characteristics at TA=25°C

DEVICE TYPE	FORWARD VOLTAGE ^[1] VF(VOLTS) @ IF=70mA			REVERSE CURRENT IR (uA) @ VR=5V	CAPACITANCE C (pF) @ VF=0V F=1MHZ	THERMAL RESISTANCE Rθj-pin °C/W
	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.
	SUR-G	2.1	2.3	2.6	10	45

Note:

- Forward Voltage: +/-0.1V.

Figures



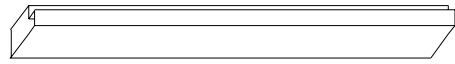
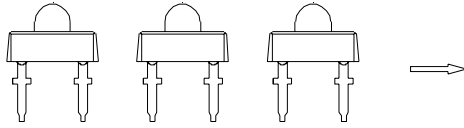
CROSS REFERENCE TABLE

KINGBRIGHT	LUMILEDS
L-7677C2SURC-G	HPWT-BD00

Kingbright

PACKING & LABEL SPECIFICATIONS

L-7677C2SURC-G

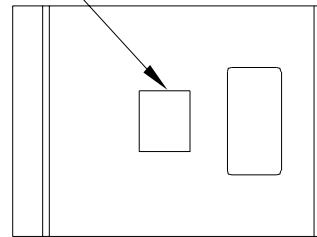


75PCS / IC TUBE



600pcs / 8pcs IC TUBE

LABEL



Kingbright				
Q.C.	<table border="1"> <tr> <td style="text-align: center;">QC</td> </tr> <tr> <td style="text-align: center;">xx xx xxxx</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table>	QC	xx xx xxxx	PASSED
QC				
xx xx xxxx				
PASSED				
TYPE NO : L-7677C2XXX				
QUANTITY : 600 pcs				
S/N : xxx	CODE: XXXX			
LOT NO				
MADE IN CHINA	RoHS Compliant			



OUTSIDE LABEL

6 K / 6# BOX

