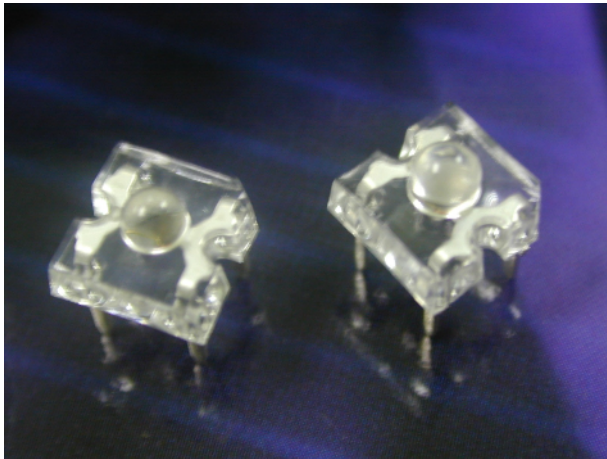


### PRELIMINARY SPEC

Part Number: WP7679C1SYC/J



## 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:

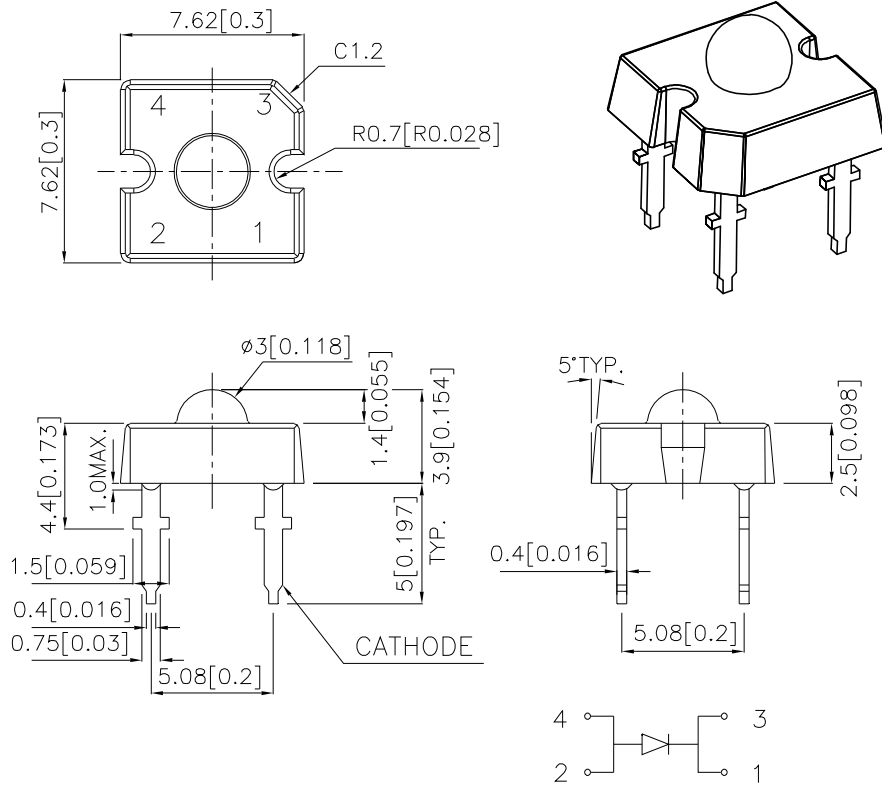
- \*Outstanding Material Efficiency.
- \*Electricity savings.
- \*Maintenance savings.
- \*Reliable and Rugged.

### 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	SY/J	UNITS
DC Forward Current	70	mA
Power dissipation	245	mW
Reverse Voltage	5	V
Operating Temperature	-40 To +85	$^\circ\text{C}$
Storage Temperature	-55 To +85	$^\circ\text{C}$
Lead Solder Temperature <sup>[1]</sup>	260 $^\circ\text{C}$ For 5 Seconds	

1.1.5mm[0.06inch]below seating plane.

## Selection Guide

Part No.	LED COLOR	Iv(cd) <sup>[1]</sup> @ 70mA		Viewing Angle <sup>[2]</sup>
		Min.	Typ.	2θ1/2 Typ.
WP7679C1SYC/J	TS InGaAlP YELLOW	2.2	4.5	70°

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 <sup>[1]</sup> WAVELENGTH λDOM (nm) TYP.	SPECTRAL LINE WAVELENGTH Δλ1/2(nm) TYP.
SY/J	590	589	20

Note:

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

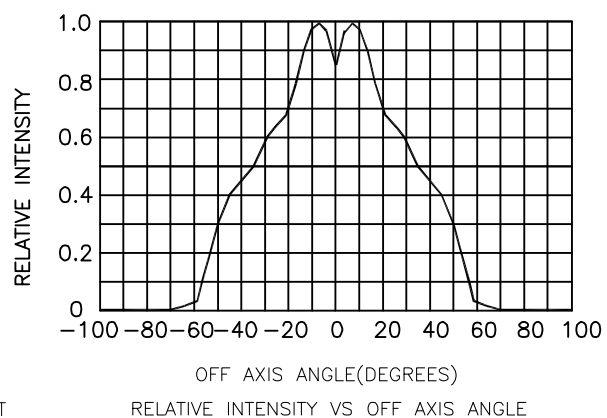
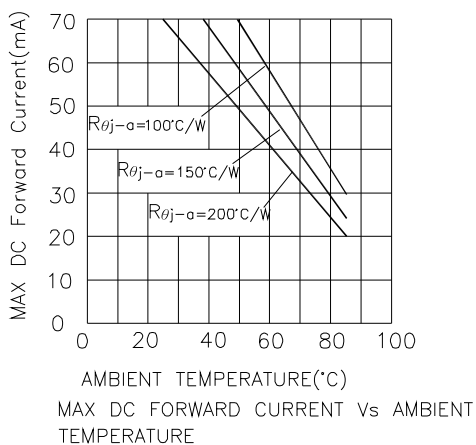
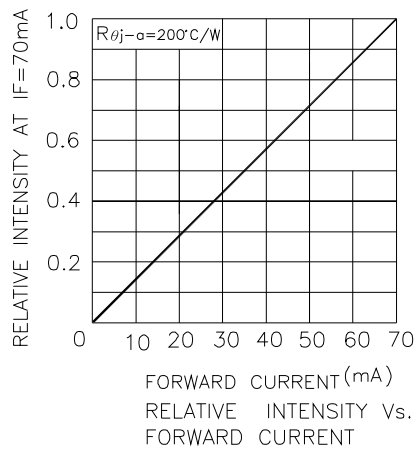
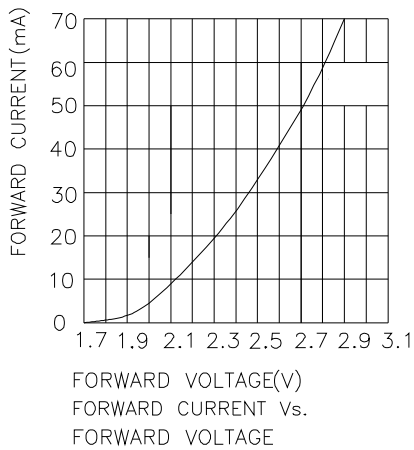
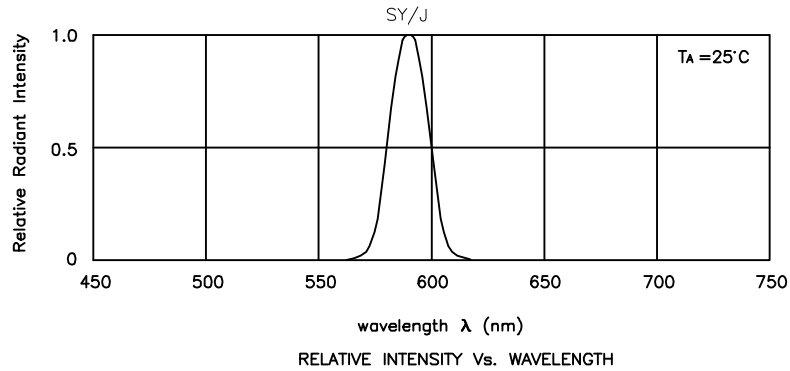
## Electrical Characteristics at TA=25°C

DEVICE TYPE	FORWARD VOLTAGE VF(VOLTS) <sup>[1]</sup> @ IF=70mA			REVERSE CURRENT IR (μA) @ VR=5V	CAPACITANCE C (pF) @ VF=0V F=1MHZ	THERMAL RESISTANCE Rθj-pin °C/W
	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.
	SY/J	2.6	2.9	3.5	10	45

Note:

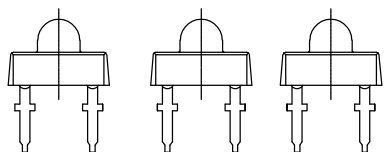
- Forward Voltage: +/-0.1V.

## Figures



## PACKING & LABEL SPECIFICATIONS

WP7679C1SYC/J



75PCS / IC TUBE




750pcs / 10pcs IC TUBE



OUTSIDE LABEL

24K / 6# BOX

<b>Kingbright</b>				
Q.C.	<table border="1"> <tr> <td style="text-align: center;">QC</td> </tr> <tr> <td style="text-align: center;">xxx xx xxxx</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table>	QC	xxx xx xxxx	PASSED
QC				
xxx xx xxxx				
PASSED				
TYPE NO :	WP7679C1XXX			
QUANTITY :	750 pcs			
S/N :	XX			
	CODE: XXX			
LOT NO :				
MADE IN CHINA	RoHS Compliant			