

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.
- *Soldering methods: Wave soldering
- * RoHS Compliant.

Benefits:

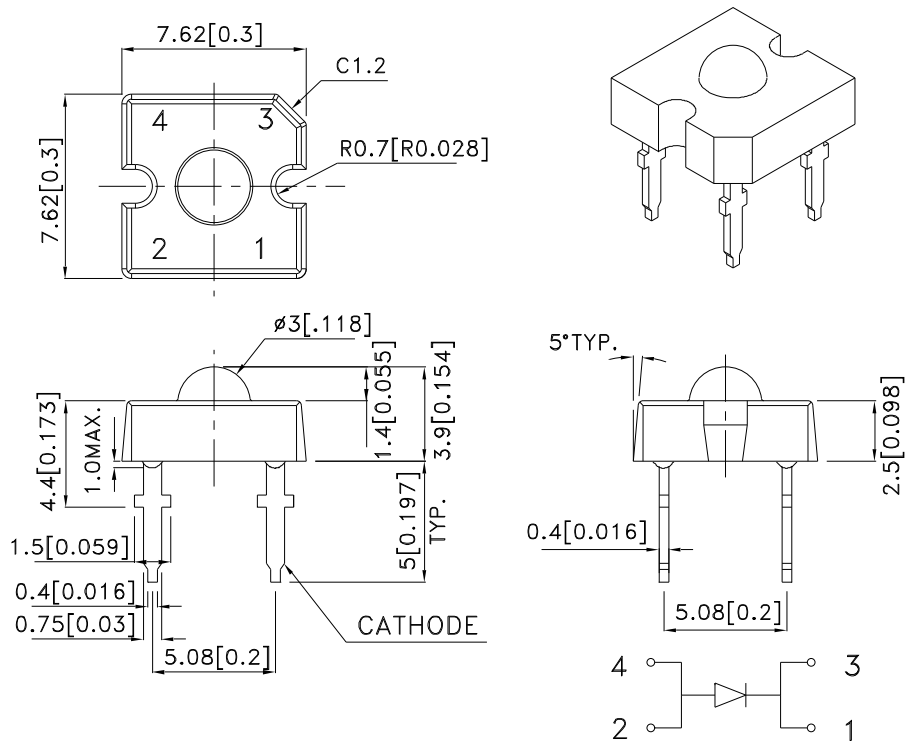
- *Outstanding Material Efficiency.
- *Electricity savings.
- *Maintenance savings.
- *Reliable and Rugged.

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 TA=25°C

PARAMETER	SY/J2	UNITS
DC Forward Current	70	mA
Power dissipation	245	mW
Reverse Voltage	5	V
Operating Temperature	-40 To +85	°C
Storage Temperature	-55 To +85	°C
Lead Solder Temperature[1]	260°C For 5 Seconds	

1.1.5mm[0.06inch]below seating plane.
NO Reflow soldering

Selection Guide

Part No.	LED COLOR	Iv(cd) ^[1] @70mA		Φv(lm) ^[1] @70mA	Viewing Angle ^[2] 2θ1/2
		Min.	Typ.	Typ.	Typ.
WP7679C1SYC/J	SUPER BRIGHT YELLOW (AlInGaP)	2.2	4.5	6	70°

Notes:

- 1.Luminous intensity is measured with an integrating sphere after the device has stabilized; Luminous Intensity / luminous flux: +/-15%.
 2.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 I_F=70mA R_{θj-a}=200°C/W

DEVICE TYPE	PEAK WAVELENGTH λ _{PEAK} (nm) TYP.	DOMINANT ^[1] WAVELENGTH λ _{DOM} (nm) TYP.	SPECTRAL LINE WAVELENGTH Δλ1/2(nm) TYP.
SY/J2	590	589	20

Note:

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

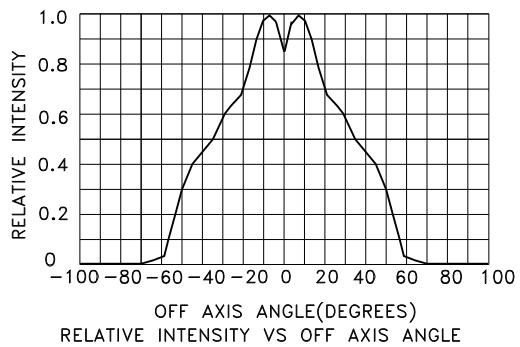
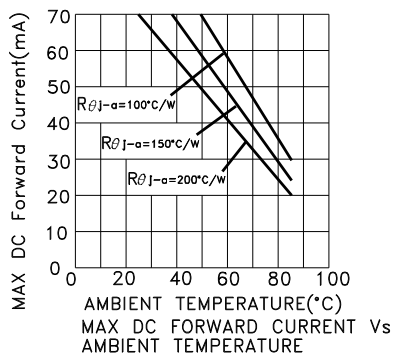
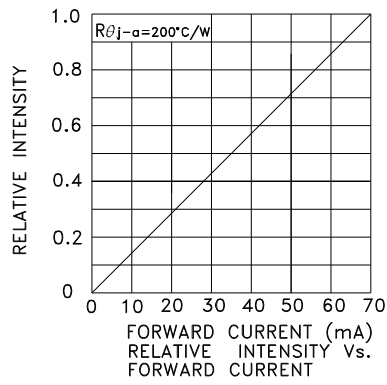
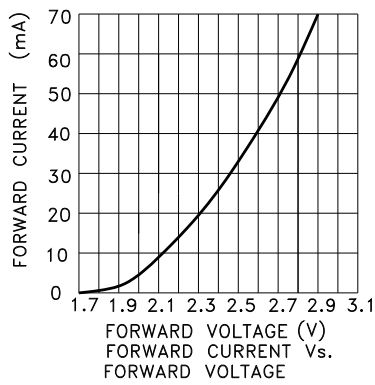
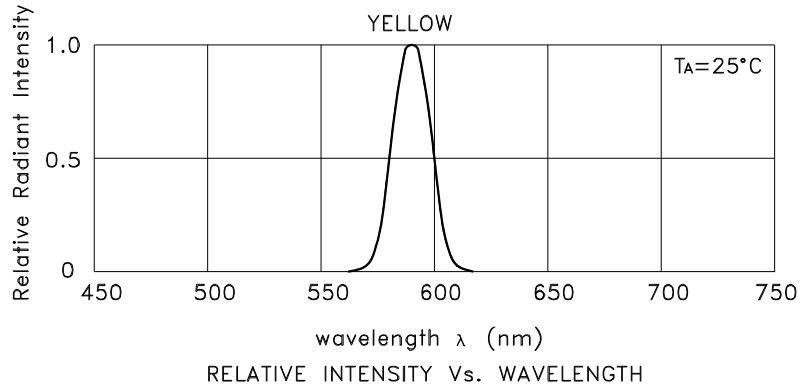
Electrical Characteristics at TA=25°C

DEVICE TYPE	FORWARD VOLTAGE [1] V _F (VOLTS) @ I _F =70mA			REVERSE CURRENT I _R (uA) @ V _R =5V	CAPACITANCE C (pF) @ V _F =0V F=1MHZ	THERMAL RESISTANCE R _{θj-pin} °C/W
	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.
SY/J2	2.2	2.9	3.5	10	45	125

Note:

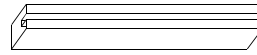
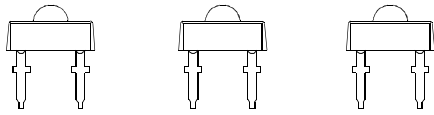
1. Forward Voltage: +/-0.1V.

Figures

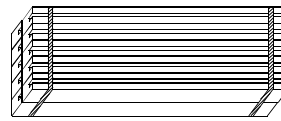


PACKING & LABEL SPECIFICATIONS

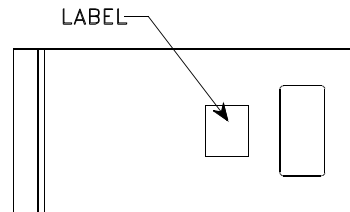
WP7679C1SYC/J



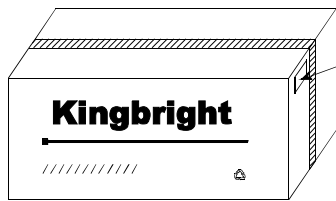
75PCS / IC TUBE(520x8.3x15mm)



750pcs / 10pcs IC TUBE




10pcs IC TUBE / BAG



OUTSIDE LABEL



7.5K / 6# BOX

<h1>Kingbright</h1>	
P/NO: WP7679C1xxx	
QTY: 750 pcs	Q.C. Q C XX XX XXXX PASSED
S/N: XXXX	
CODE: XXX	
LOT NO:	
 XXXXXXXXXXXX	
RoHS Compliant	