

PRELIMINARY SPEC

Part Number: WP7701C4SYC/J

Technical Data



Features:

- *HIGH LUMINANCE OUTPUT.
- *DESIGN FOR HIGH CURRENT OPERATION.
- *SOLDERLESS MOUNTING TECHNIQUE.
- *LOW POWER CONSUMPTION.
- *LOW THERMAL RESISTANCE.
- *LOW PROFILE.
- *PACKAGED IN TUBES FOR USE WITH AUTOMATIC INSERTION EQUIPMENT.
- *RoHS COMPLIANT.

Benefits:

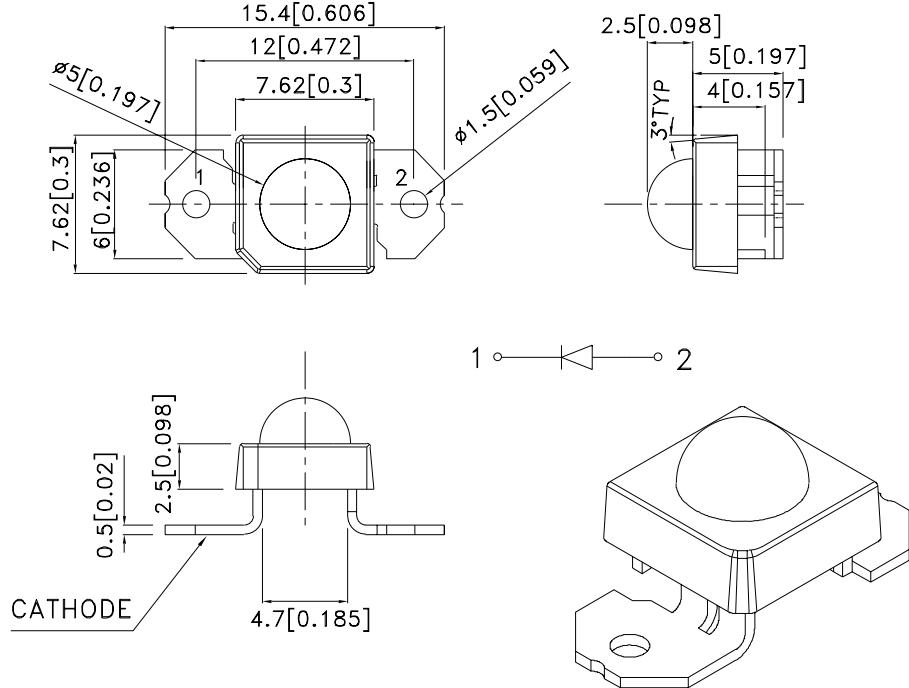
- *Rugged Lighting Products.
- *Electricity savings.
- *Maintenance savings.
- *Environmental Conformance.

Typical Applications:

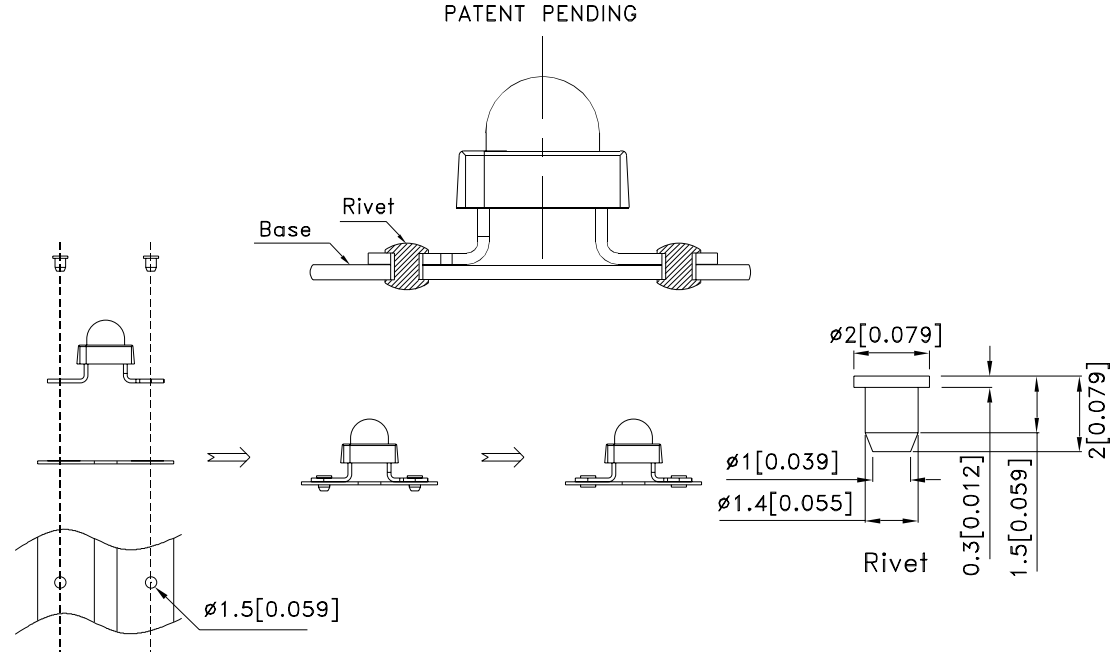
- *Automotive Exterior Lighting.
- *Solid State Lighting and Signaling.



Outline Drawings



- Notes:
- 1. All dimensions are in millimeters (inches).
 - 2. Tolerance is ± 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/J	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

Selection Guide

Part No.	LED COLOR	Iv(cd)[1] @70mA		Viewing Angle[2] 2θ1/2
		Min.	Typ.	Typ.
WP7701C4SYC/J	Super Bright Yellow (AlGaInP)	3.3	4.7	50°

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 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.
SY/J	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.

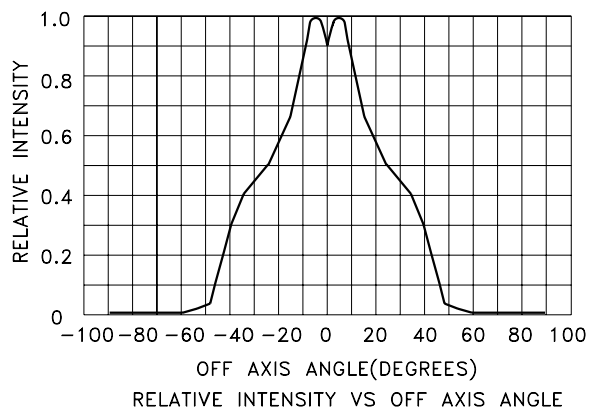
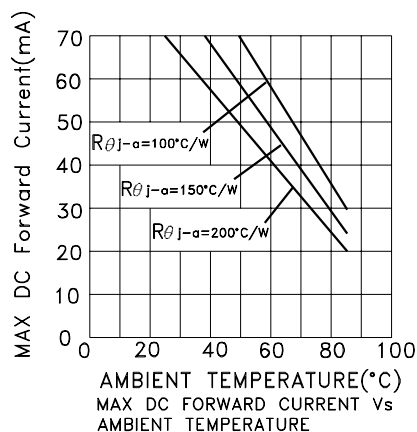
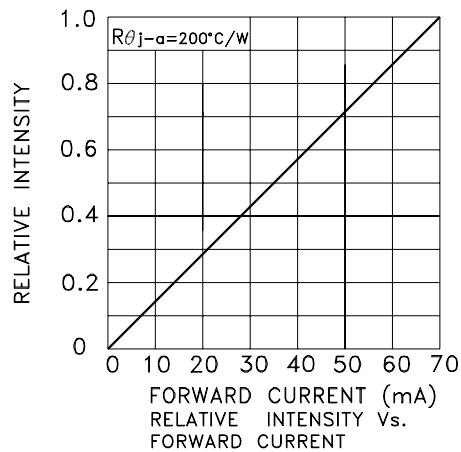
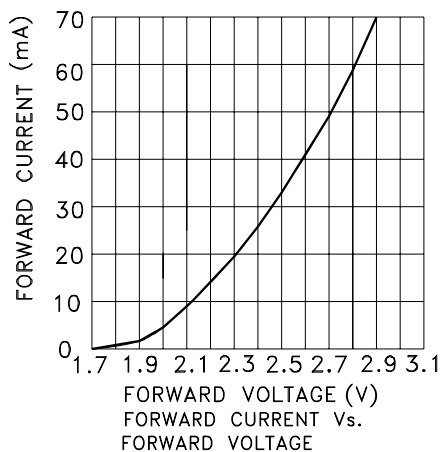
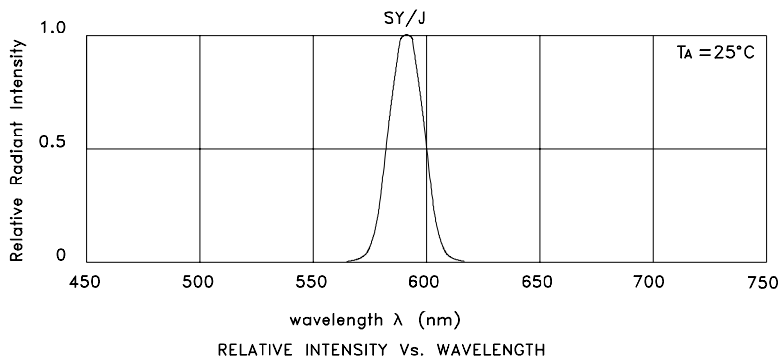
Electrical Characteristics at TA=25°C

DEVICE TYPE	FORWARD VOLTAGE [1] 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.
SY/J	2.6	2.9	3.5	10	45	125

Note:

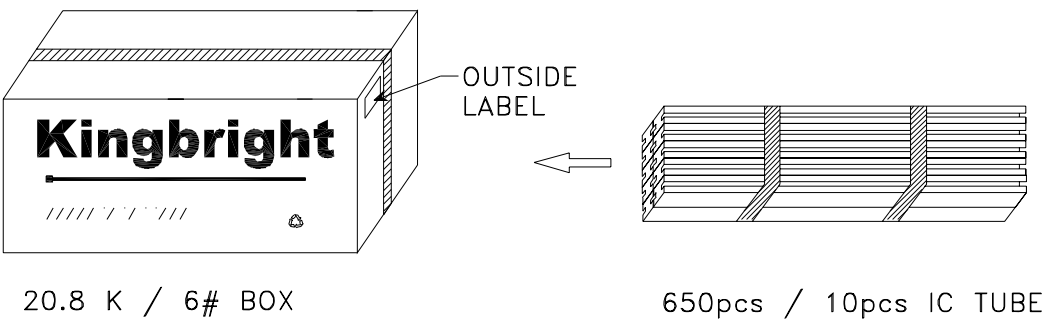
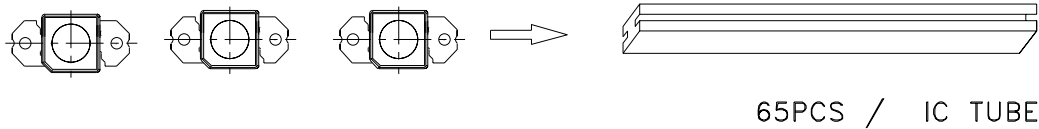
1. Forward Voltage: +/-0.1V.

Figures



PACKING & LABEL SPECIFICATIONS

WP7701C4SYC/J



Kingbright	
Q.C.	
TYPE NO : WP7701C4XXX	QC xxx xx. xxxx PASSED
QUANTITY : 650 pcs	
S/N : xxx	CODE: xxxx
LOT NO: 	
MADE IN CHINA	RoHS Compliant