

PRELIMINARY SPEC

Part Number: WP7679C1SEC/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:

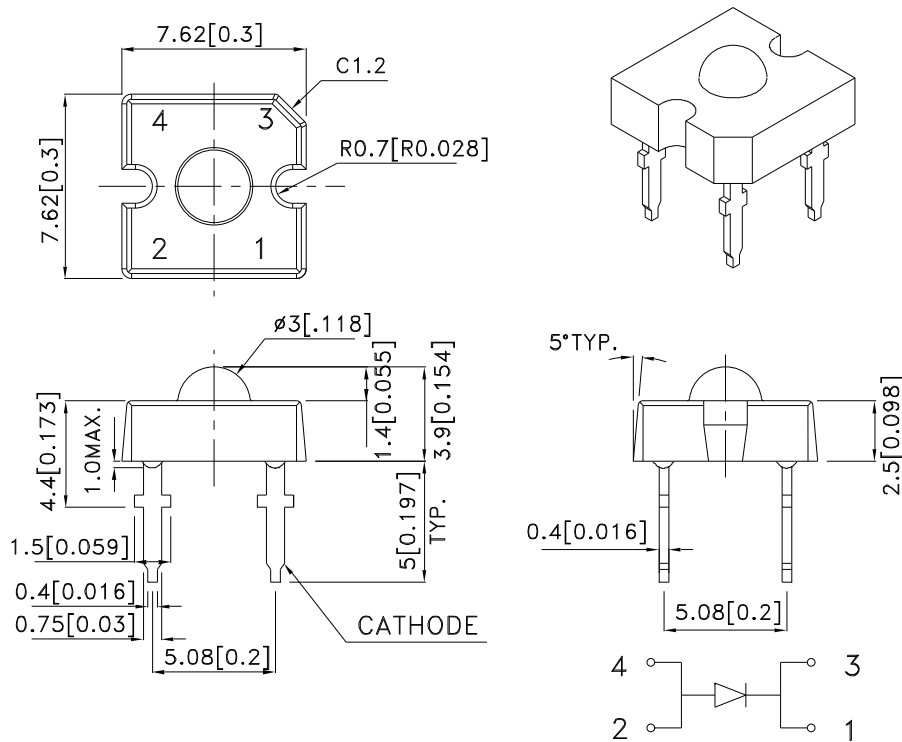
- *Outstanding Material Efficiency.
- *Electricity savings.
- *Maintenance savings.
- *Reliable and Rugged.

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 $T_A=25^\circ\text{C}$

PARAMETER	SE/J2	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[1]	260 $^\circ\text{C}$ For 5 Seconds	

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

No Reflow soldering

Selection Guide

Part No.	LED COLOR	Iv(cd)[1] @70mA		Φ_v (lm) ^[1] @70mA	Viewing Angle ^[2]
		Min.	Typ.	Typ.	2 θ 1/2 Typ.
WP7679C1SEC/J	Hyper Orange (AlInGaP)	7.5	18	6.6	70°

Notes:

1.Luminous intensity is measured with an integrating sphere after the device has stabilized; Luminous Intensity / luminous flux: +/-15%.
2. θ 1/2 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 θ j-a=200°C/W

DEVICE TYPE	PEAK WAVELENGTH λ_{PEAK} (nm) TYP.	DOMINANT[1] WAVELENGTH λ_{DOM} (nm) TYP.	SPECTRAL LINE WAVELENGTH $\Delta\lambda$ 1/2(nm) TYP.
SE/J2	640	630	25

Note:

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

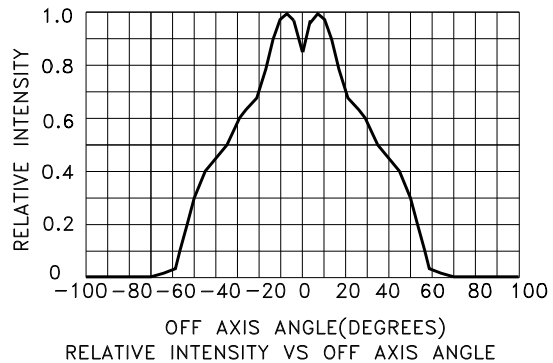
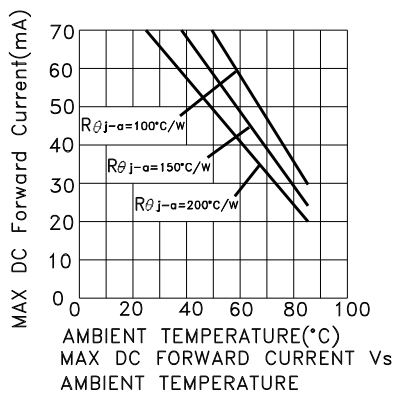
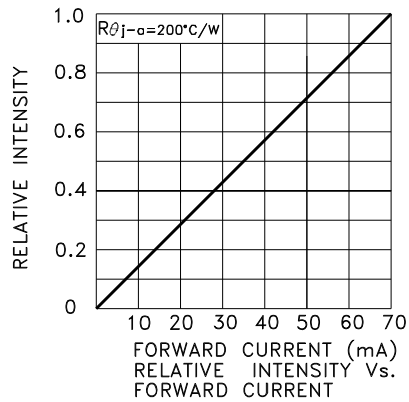
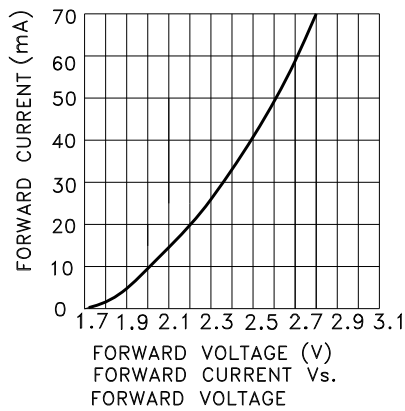
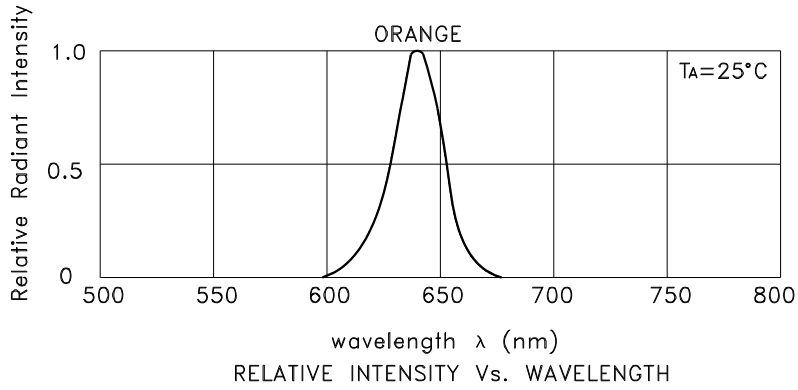
Electrical Characteristics at TA=25°C

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 θ j -pin °C/W
	MIN.	TYP.	MAX.	MAX.	TYP.	TYP.
SE/J2	2.6	2.8	3.5	10	27	125

Note:

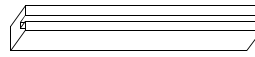
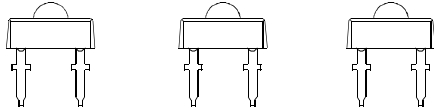
1. Forward Voltage: +/-0.1V.

Figures

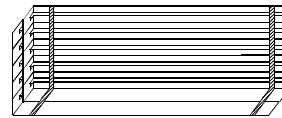


PACKING & LABEL SPECIFICATIONS

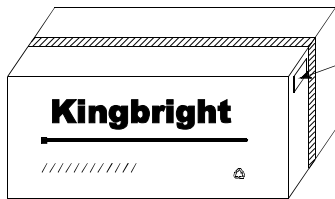
WP7679C1SEC/J



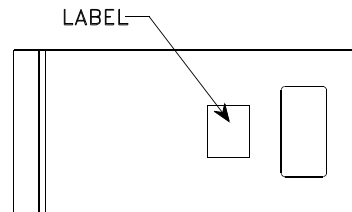
75PCS / IC TUBE(520x8.3x15mm)



750pcs / 10pcs IC TUBE




OUTSIDE LABEL



7.5K / 6# BOX

10pcs IC TUBE / BAG

<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	