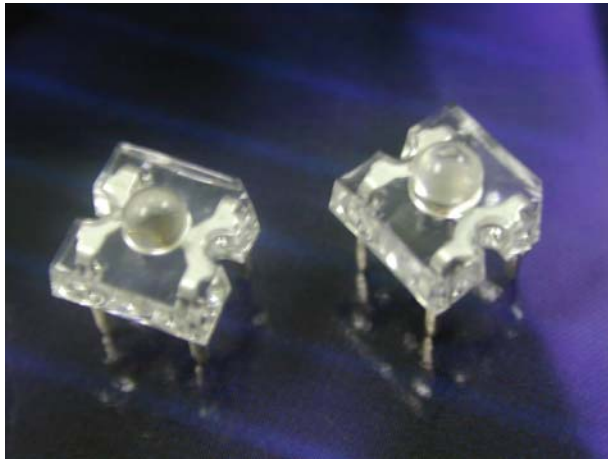


### PRELIMINARY SPEC

Part Number: WP7679C1QBC/F



#### 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.

### Technical Data



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

#### Description

Static electricity and surge damage the LEDs. It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

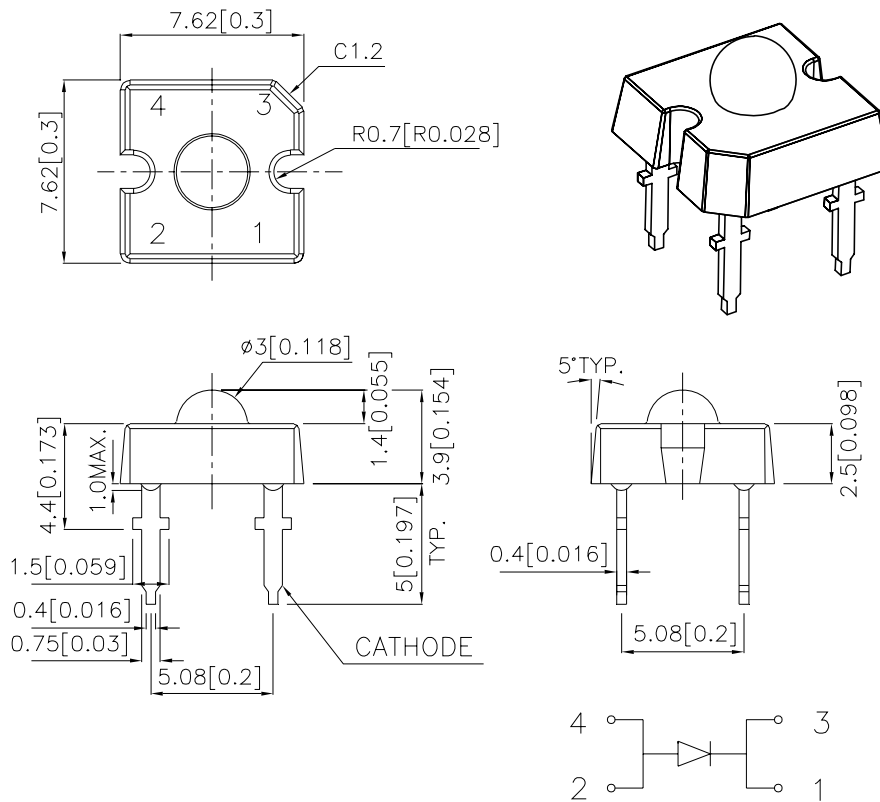
#### Benefits:

- \*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	QB/F	UNITS
DC Forward Current	30	mA
Power dissipation	126	mW
Reverse Voltage	5	V
Operating Temperature	-40 To +85	°C
Storage Temperature	-55 To +85	°C
Lead Solder Temperature <sup>[1]</sup>	260°C For 5 Seconds	

1.1.5mm[0.06inch]below seating plane.

## Selection Guide

Part No.	LED COLOR	Iv(cd) <sup>[1]</sup> @30mA		Viewing Angle <sup>[2]</sup> 2θ1/2
		Min.	Typ.	Typ.
WP7679C1QBC/F	BLUE ( AlInGaN)	0.9	3	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 If=30mA 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.
QB/F	470	468	25

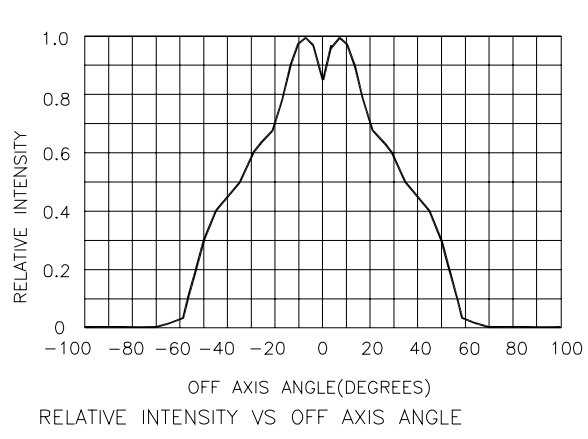
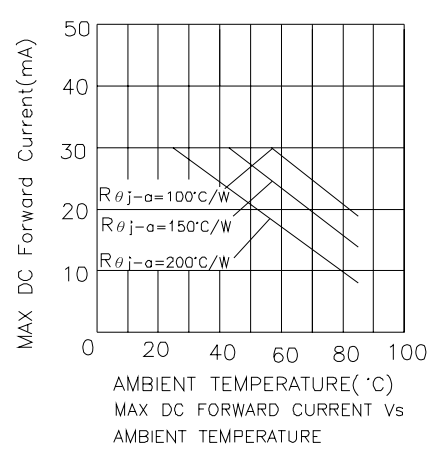
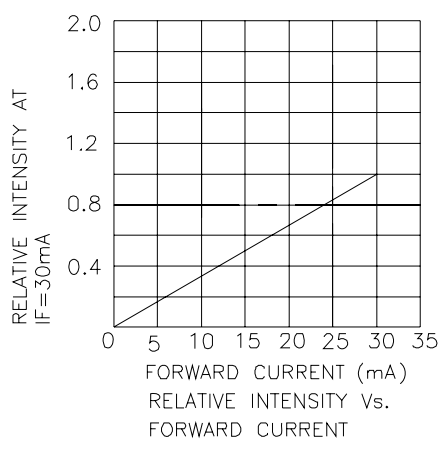
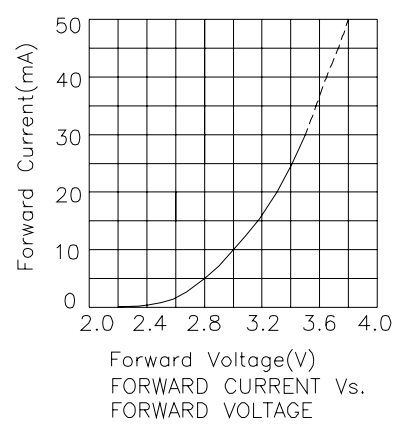
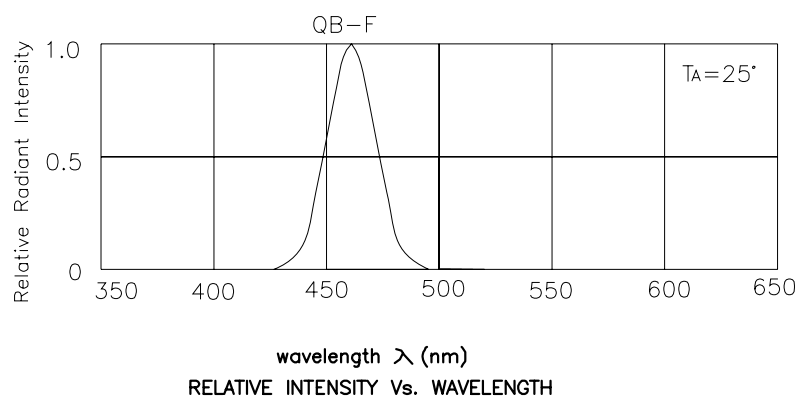
Note:  
1.The dominant wavelength is derived from the CIE Chromaticity Diagram and represents the perceived color of the device; Wavelength: +/-1nm.

## Electrical Characteristics at TA=25°C

DEVICE  TYPE	FORWARD VOLTAGE VF(VOLTS) <sup>[1]</sup> @ If=30mA		REVERSE CURRENT IR (uA) @ VR=5V	CAPACITANCE C (pF) @ VF=0V F=1MHZ	THERMAL RESISTANCE Rθj-pin °C/W
	TYP.	MAX.	MAX.	TYP.	TYP.
QB/F	3.5	4.2	10	100	180

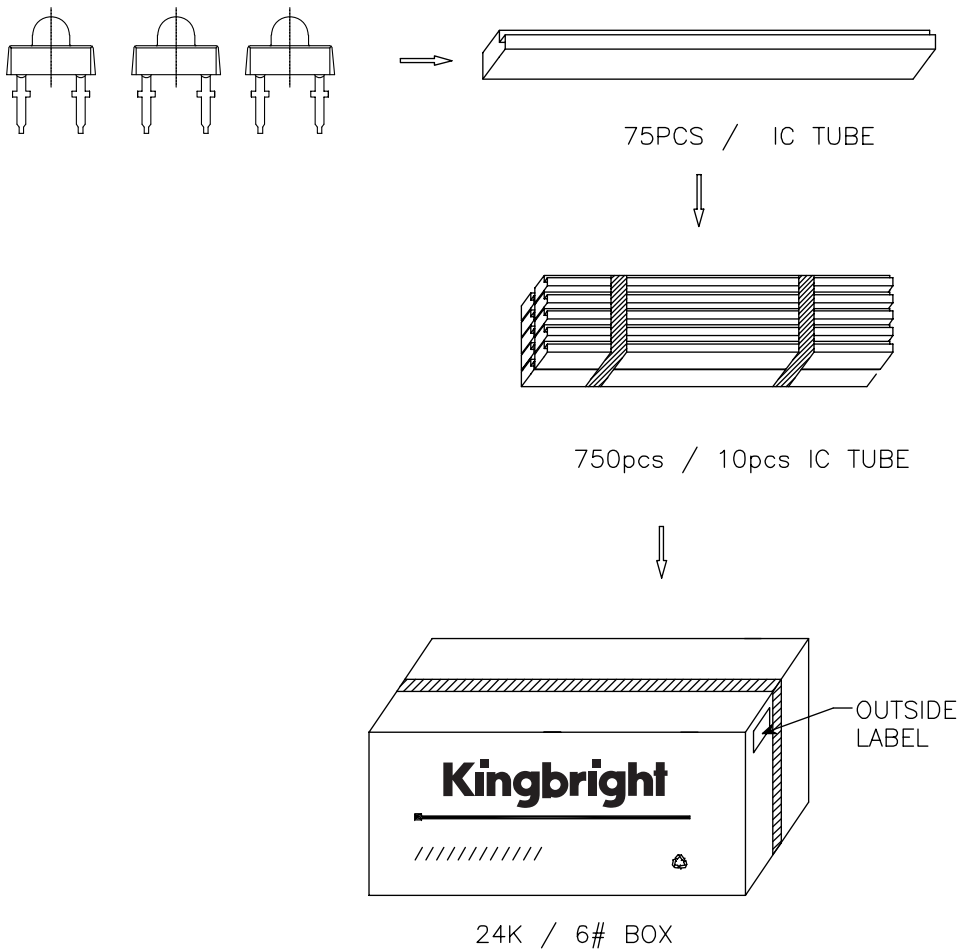
Note:  
1. Forward Voltage: +/-0.1V.


## Figures



PACKING & LABEL SPECIFICATIONS

WP7679C1QBC/F



<b>Kingbright</b>	
Q.C. <span>QC xxx xx xxxx PASSED</span>	
TYPE NO : WP7679C1XXX	
QUANTITY : 750 pcs	
S/N : XX	CODE: XXX
LOT NO :  xx-LDPxxxx	
MADE IN CHINA RoHS Compliant	