

SUPER FLUX LED LAMP

PRELIMINARY SPEC

Part Number: WP7677C2QBC/D



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.

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.

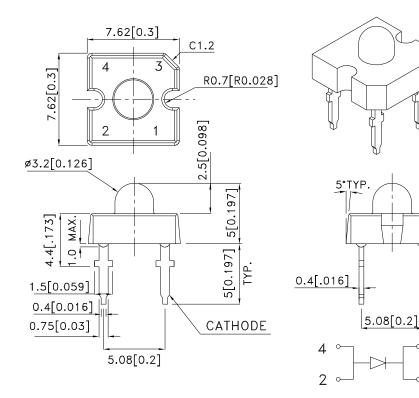




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 APPROVED: WYNEC
 CHECKED: Allen Liu
 DRAWN: F.F.Zhou
 ERP: 1101011886

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	QB/D	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[1]	260°C For 5 Seconds	

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

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Selection Guide

Part No.	LED COLOR	lv(cd)[1] @30mA		Фv(lm)[1] @30mA	Viewing Angle[2]
		Min.	Тур.	Тур.	Тур.
WP7677C2QBC/D	Blue (InGaN)	0.9	2.5	1.1	30°

Optical Characteristics at TA=25°C I_F=30mA Rθj-a=200°C/W

DEVICE TYPE	PEAK WAVELENGTH λΡΕΑΚ (nm) TYP.	DOMINANT[1] WAVELENGTH λDOM (nm) TYP.	SPECTRAL LINE WAVELENGTH Δλ1/2(nm) TYP.
QB/D	468	470	25

Electrical Characteristics at TA=25°C

DEVICE TYPE	VF (V	/OLTAGE [1] OLTS) ⑦ 0mA	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/D	3.5	4.2	10	100	180

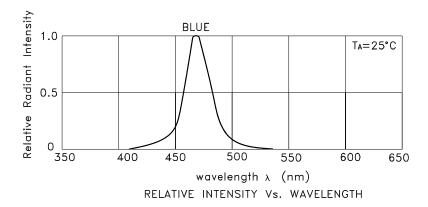
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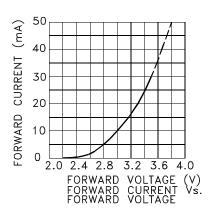
^{1.}Luminous intensity is measured with an integrating sphere after the device has stabilized; Luminous Intensity / luminous flux: +/-15%. 2.01/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.

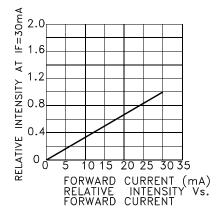
Note:
1.The dominant wavelength is derived from the CIE Chromaticity Diagram and represents the perceived color of the device; Wavelength: +/-1nm.

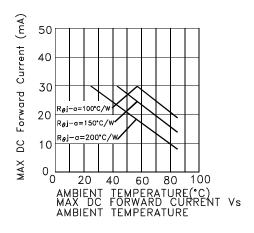
^{1.} Forward Voltage: +/-0.1V.

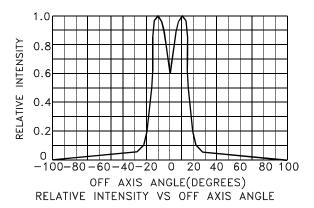
Figures





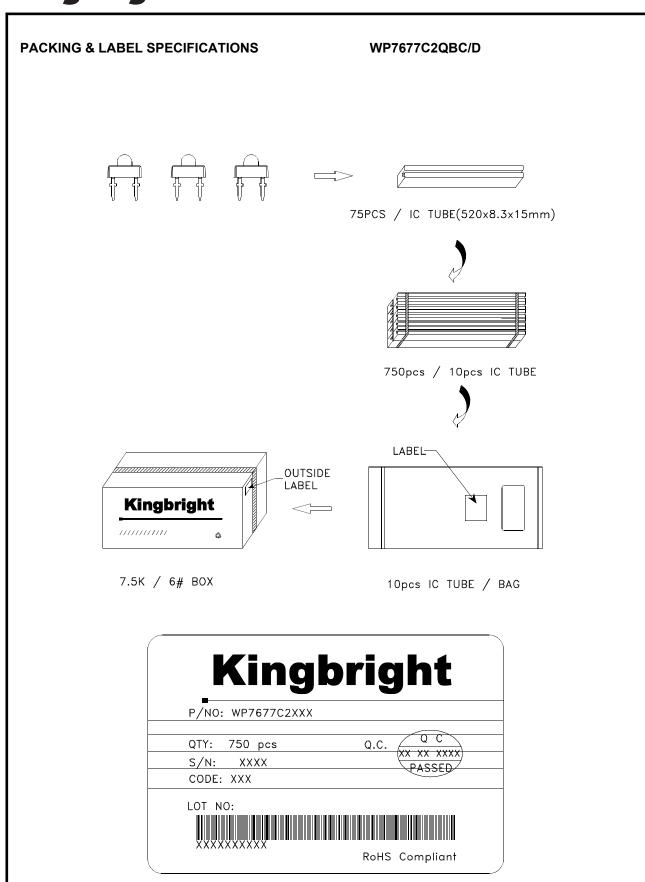






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