SUPER FLUX LED LAMP

PRELIMINARY SPEC

Part Number: WP7677C2PBC/Z



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.

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.

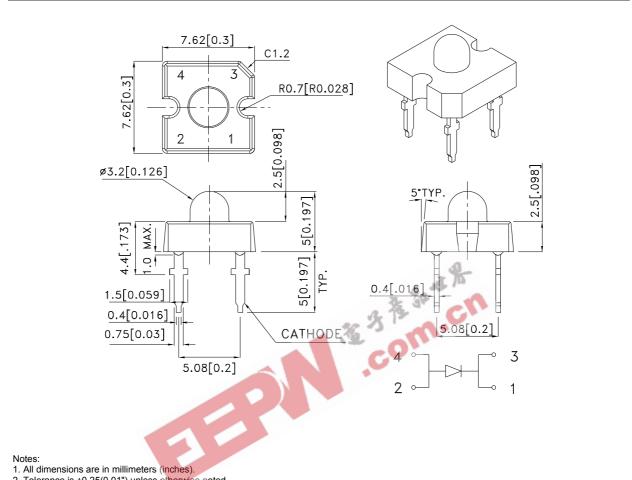
Typical Applications:

- *Automotive Exterior Lighting.
- *Electronic Signs and Signals.
- *Specialty Lighting.



DATE: MAY/13/2008 DRAWN: S.M.Wu PAGE: 1 OF 5 ERP: 1101020170

Outline Drawings



Tolerance is ±0.25(0.01") unless otherwise noted.
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	PB/Z	UNITS		
DC Forward Current	50	mA		
Power dissipation	210	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.	L	ED COLOR	lv(cd)[1] @50mA Min.	Тур.	Φv(lm)[1] @50mA Typ.	Viewing Angle[2] 201/2 Typ.
WP7677C2PBC/Z	В	lue (InGaN)	5.7 9).5	2.8	15°
			the device has stabilized; L ensity is 1/2 the optical cente			: flux: +/-15%.
ptical Characteris =50mA Rθj-a=200	0°C/W		DOMIN		s &	
DEVICE	WAVE	'EAK ELENGTH AK (nm)	WAVEL ADOM	ENGTH		SPECTRAL LINE WAVELENGTH Δλ1/2(nm)
TYPE		ryp.	TY DY			TYP.
PB/Z				-		22
te:	-	458 e CIE Chromaticity	Diagram and represents the		d color of the devic	22 e; Wavelength: +/-1nm.
te: 'he dominant wavelength	is derived from the	e CIE Chromaticity			d color of the devic	
te: 'he dominant wavelength	is derived from the	e CIE Chromaticity			d color of the devic	
te: 'he dominant wavelength ectrical Characte	eristics at TA	e CIE Chromaticity		e perceived	d color of the devic	e; Wavelength: +/-1nm. THERMAL RESISTANCE
te: he dominant wavelength ectrical Characte	eristics at TA FORWARD VF (V	e CIE Chromaticity A=25°C VOLTAGE [1]	Diagram and represents the	perceived	APACITANCE	e; Wavelength: +/-1nm.
te: he dominant wavelength ectrical Characte	eristics at TA FORWARD VF (V	A=25°C VOLTAGE [1] OLTS)	Diagram and represents the REVERSE CURREN IR (uA) @	perceived	APACITANCE C (pF) @	tHERMAL RESISTANCE Rej -pin
te: 'he dominant wavelength ectrical Characte DEVICE TYPE	eristics at TA FORWARD V VF (V () IF=5 TYP.	e CIE Chromaticity A=25°C VOLTAGE [1] OLTS) @ 00mA MAX.	Diagram and represents the REVERSE CURREN IR (uA) @ VR=5V MAX.	perceived	APACITANCE C (pF) @ =0V F=1MHZ TYP.	tHERMAL RESISTANCE Rθj -pin °C/W TYP.
te: 'he dominant wavelength ectrical Characte	eristics at TA FORWARD V VF (V) () IF=5	e CIE Chromaticity A=25°C VOLTAGE [1] OLTS) @ 00mA	Diagram and represents the REVERSE CURREN IR (uA) @ VR=5V	perceived	APACITANCE C (pF) @ =0V F=1MHZ	tHERMAL RESISTANCE Rθj -pin °C/W
te: he dominant wavelength ectrical Characte DEVICE TYPE	eristics at TA FORWARD VF (V IF=5 TYP. 3.5	e CIE Chromaticity A=25°C VOLTAGE [1] OLTS) @ 00mA MAX.	Diagram and represents the REVERSE CURREN IR (uA) @ VR=5V MAX.	perceived	APACITANCE C (pF) @ =0V F=1MHZ TYP.	tHERMAL RESISTANCE Rθj -pin °C/W TYP.

Figures

