SUPER FLUX LED LAMP

PRELIMINARY SPEC

Part Number: WP7678C2PBC/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



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.

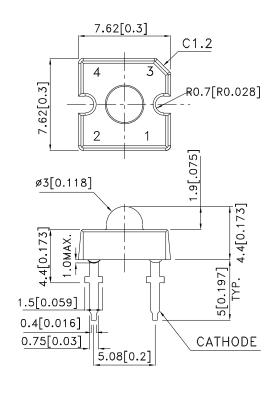
Typical Applications:

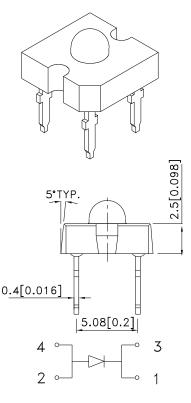
- *Automotive Exterior Lighting.
- *Electronic Signs and Signals.
- *Specialty Lighting.



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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	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 .

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Selection Guide

Part No.	LED COLOR	@50	lv(cd)[1] @50mA		Viewing Angle[2] 201/2
		Min.	Тур.	Тур.	Тур.
WP7678C2PBC/Z	Blue (InGaN)	3.3	7	2.6	30°
Natao					

Notes: 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 the optical centerline value.

Optical Characteristics at TA=25°C l⊧=50mA 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.	
PB/Z	458	465	22	

Note:

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

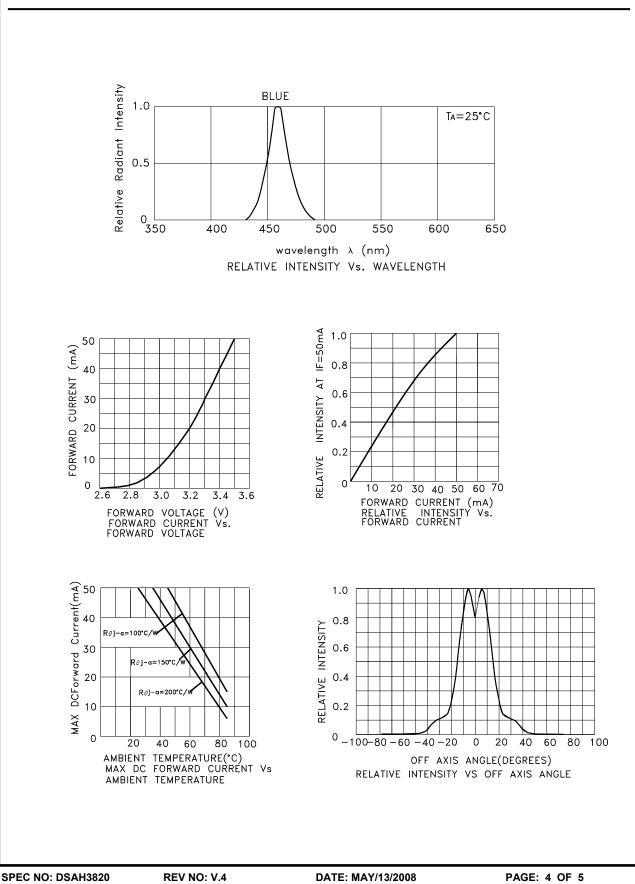
Electrical Characteristics at TA=25°C

DEVICE TYPE	FORWARD VOLTAGE [1] VF (VOLTS) @ IF=50mA		REVERSE CURRENT IR (uA) @ VR=5V	CAPACITANCE C (pF) @ VF=0V F=1MHZ	THERMAL RESISTANCE Rθj -pin °C/W
	TYP.	MAX.	MAX.	TYP.	TYP.
PB/Z	3.5	4.2	10	110	130

Note:

1. Forward Voltage: +/-0.1V.





APPROVED: WYNEC

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