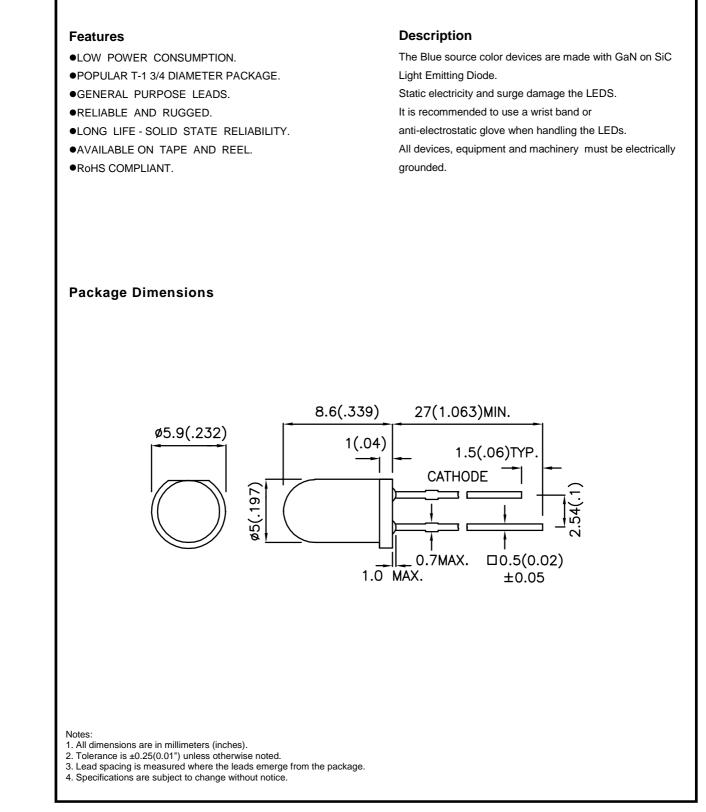
T-1 3/4 (5mm) SOLID STATE LAMP



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

WP7113MBD

BLUE



SPEC NO: DSAF2410 APPROVED: J. Lu

REV NO: V.1 CHECKED: Allen Liu DATE: APR/19/2005 DRAWN: Y.W.WANG PAGE: 1 OF4 ERP:1101005103

Selection Guid	e				
Part No.	Dice	Lens Type	lv (mcd) @ 20 mA		Viewing Angle
			Min.	Тур.	201/2
WP7113MBD	BLUE (GaN)	BLUE DIFFUSED	36	60	20°

Note:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	430		nm	I _F =20mA
λD	Dominant Wavelength	Blue	466		nm	I _F =20mA
Δλ1/2	Spectral Line Half-width	Blue	60		nm	I _F =20mA
С	Capacitance	Blue	100		pF	V _F =0V;f=1MHz
V _F	Forward Voltage	Blue	3.8	4.5	V	I _F =20mA
I _R	Reverse Current	Blue		10	uA	$V_R = 5V$

Absolute Maximum Ratings at TA=25°C

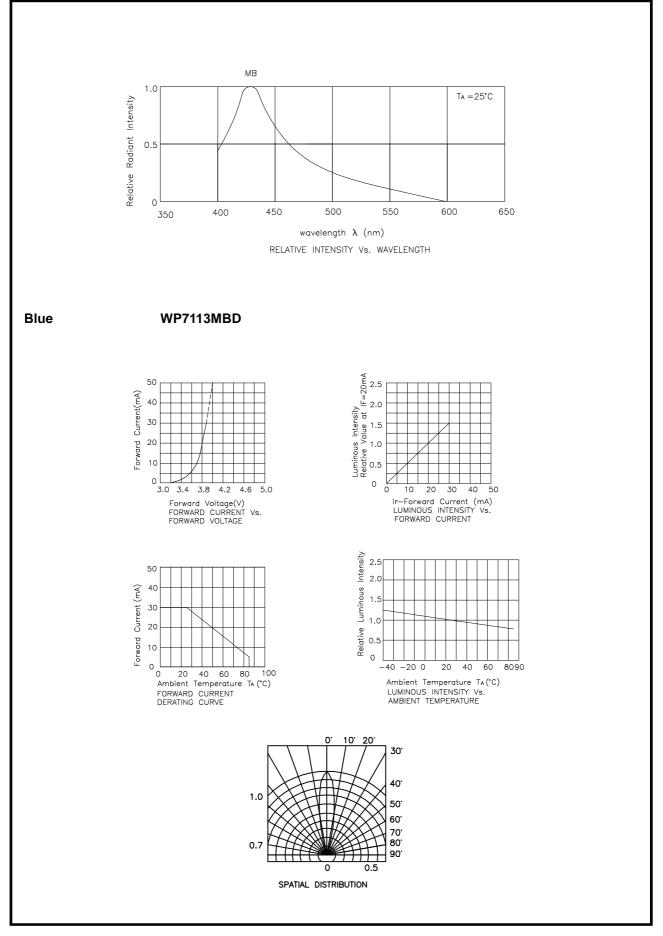
Parameter	Blue	Units		
Power dissipation	105	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	150	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			
Lead Solder Temperature [2]	260°C For 3 Seconds			
Lead Solder Temperature [3]	260°C For 5 Seconds			

Notes:

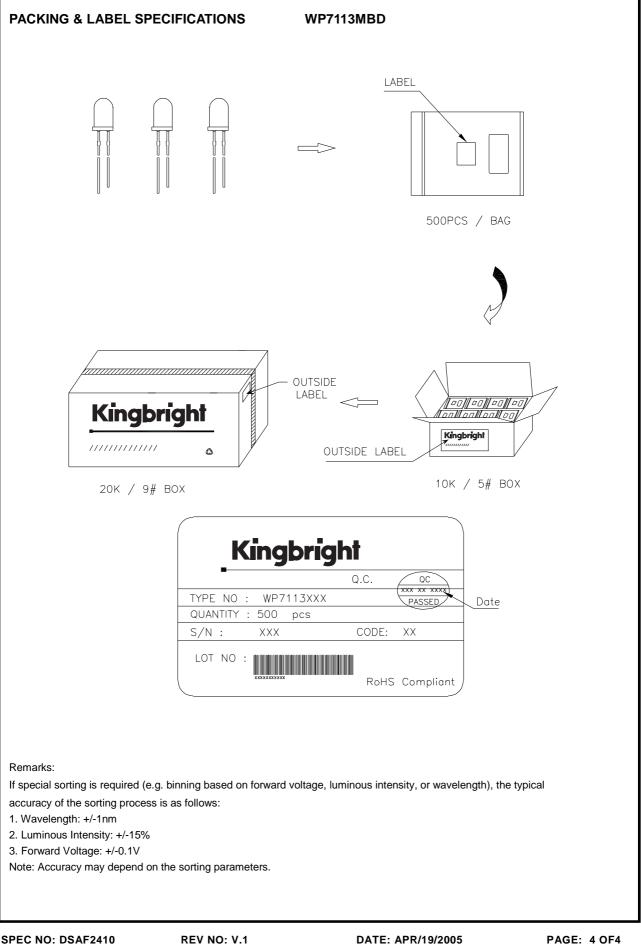
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.

3. 5mm below package base.



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