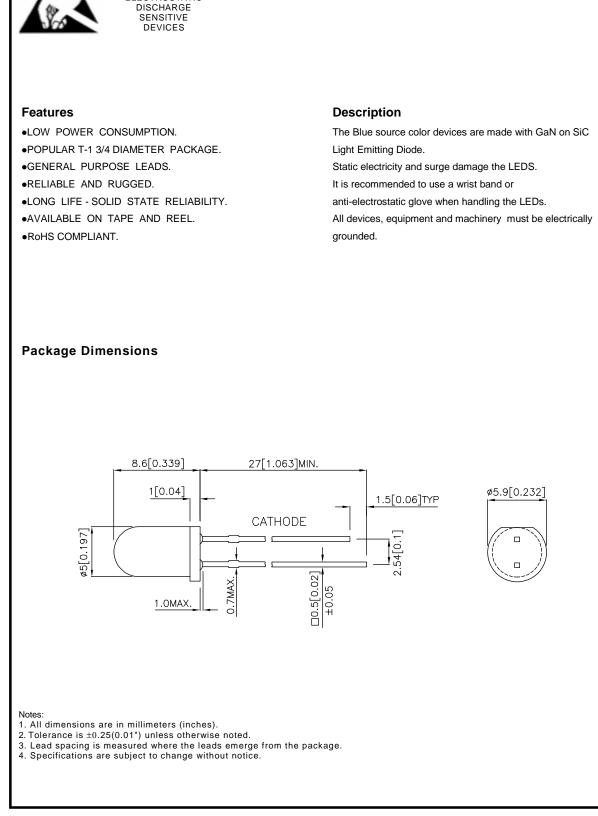
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ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC

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

L-53MBC

BLUE



SPEC NO: DSAA5610 APPROVED: J. Lu REV NO: V.4 CHECKED: Allen Liu DATE: MAY/19/2005 DRAWN: B.H.LI

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Selection Guide									
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle				
			Min.	Тур.	2 0 1/2				
L-53MBC	BLUE (GaN)	WATER CLEAR	50	150	16°				

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	IF=20mA
λD	Dominant Wavelength	Blue	466		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Blue	60		nm	IF=20mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
VF	Forward Voltage	Blue	3.8	4.5	V	IF=20mA
IR	Reverse Current	Blue		10	uA	VR = 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	orage 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:

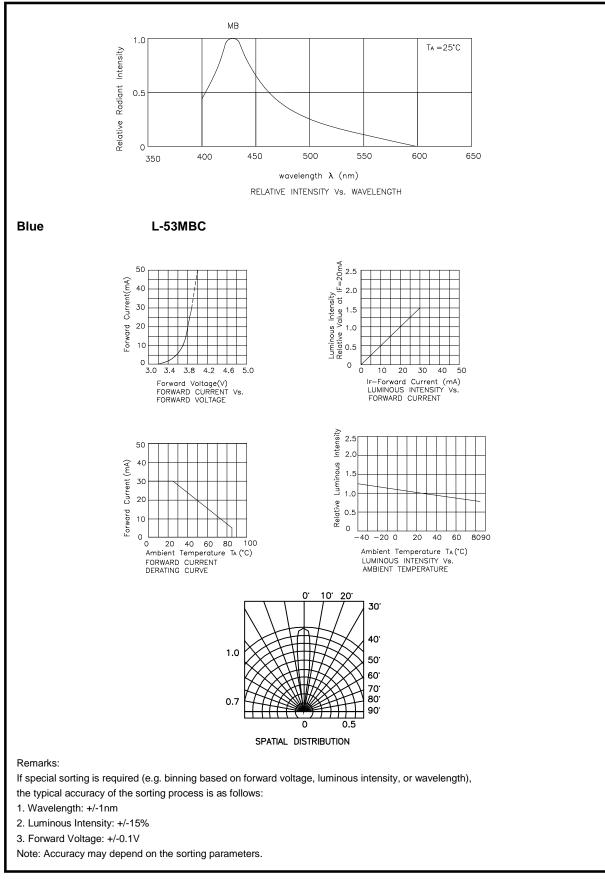
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.

3. 5mm below package base.

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