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ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

OVAL SOLID STATE LAMP

GREEN

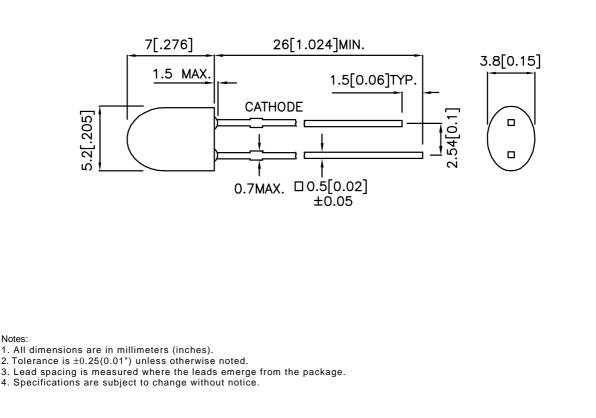
Features

OUTSTNDING MATERIAL EFFICIENCY.RELIABLE AND RUGGED.I.C. COMPATIBLE/LOW CURRENT CAPABILITY.RoHS COMPLIANT.

Description

The Green source color devices are made with InGaN on SiC Light Emitting Diode. 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.

Package Dimensions



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Selection Guide								
Part No.	Dice	Lens Type	lv (mcd) @ 20 mA		Viewing Angle			
			Min.	Тур.	2 0 1/2			
L-5603VGDL/SD-H	GREEN (InGaN)	GREEN SEMI DIFFUSED	650	2100	100°(H) 50°(V)			

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	Green	520		nm	I⊧=20mA
λD	Dominant Wavelength	Green	525		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Green	35		nm	IF=20mA
С	Capacitance	Green	45		pF	VF=0V;f=1MHz
Vf	Forward Voltage	Green	3.7	4.1	V	IF=20mA
IR	Reverse Current	Green		10	uA	Vr = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units		
Power dissipation	120	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	260°C For 5 Seconds		

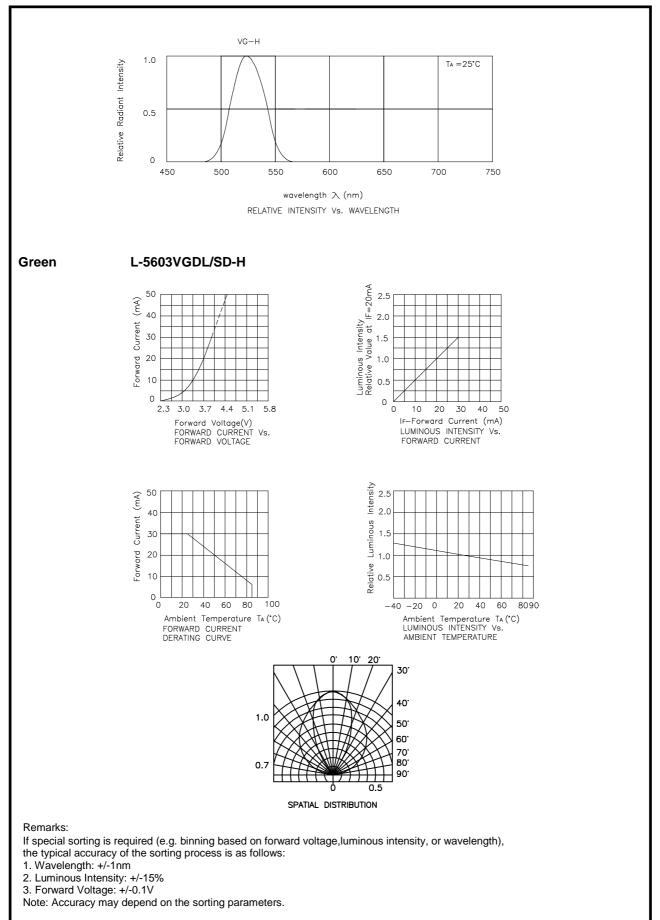
Notes:

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

2. 2mm below package base.
3. 5mm below package base.

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