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# LED SPECIFICATION

## 530VUV9C



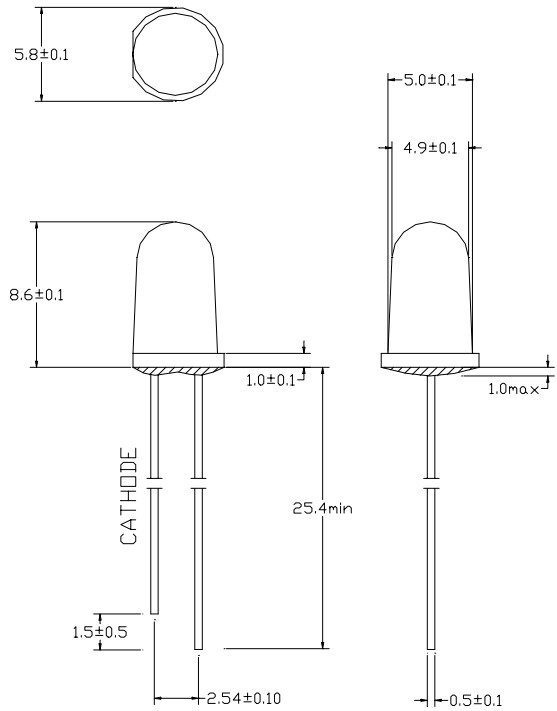
**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

### Features:

- Single color
- High Radiant Flux
- Low power consumption
- High reliability and long life

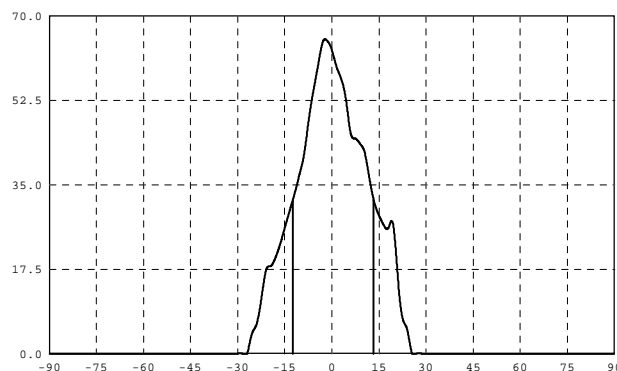
### Descriptions:

- Dice material:  $\text{InGaN}$
- Emitting Color: Ultraviolet
- Device Outline:  $\phi 5\text{mm}$  Round Type
- Lens Type: Water Clear



#### Note:

- All dimensions are millimeters.
- Tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted





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### Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V <sub>R</sub>	I <sub>R</sub> = 30 μA	5	--	V
Forward Current	I <sub>F</sub>	----		30	mA
Power Dissipation	P <sub>d</sub>	----	----	105	mW
Pulse Current	I <sub>peak</sub>	Duty=0.1mS, 1kHz	----	100	mA
Operating Temperature	T <sub>opr</sub>	----	-20	+85	°C
Storage Temperature	T <sub>str</sub>	----	-25	+100	°C

### Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	3.0	3.4	4.0	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 5V	----	----	30	μA
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> = 20mA	405	---	410	nm
Spectral Line half-width	Δλ	I <sub>F</sub> = 20mA	----	25	----	nm
Radiant Flux	I <sub>v</sub>	I <sub>F</sub> = 20mA	----	12	----	mW
Viewing Angle	2θ 1/2	I <sub>F</sub> = 20mA	28		35	Deg.



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Typical electrical/optical characteristic curves:

