

UV LED LAMP

VAOL-5GUV0T4

Feature

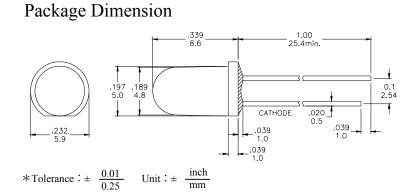
- Low Power Consumption
- I.C. compatible

Applications

- Disinfection and Sterilization
- Adhesive Curing
- Leak Detection
- Authentication

Description

- These LEDs are Based on InGaN Material Technology
- Emitted color: Purple (UV)
- Water Transparent Lens



A CAUTION : EMITS ULTRAVIOLET RADIATION!!!



This UV (ultraviolet) EED during operation radiates intense UV light.
Do Nat look diredly into the UV light during operation of device. This can be harmful to the human body especie to the eyes and sin, even for bride period due to the intense UV light.
If viewing the UV light is necessory, please use UV filtered glasses to avoid damage by the UV light.
If the UV EED in your product might be viewed directly, please affix a caution lobel to your product to that effect.
Avoid direct eye and sin exposure to the UV light.

Keep reach out of children.

Absolute Maximum Ratings at Ta=25°C

Symbol	Parameter	Max.	Unit			
PD	Power Dissipation	120	mW			
VR	Reverse Voltage	5	V			
IAF	Average Forward Current	30	mA			
IPF	Peak Forward Current (Duty=0.1, 1kHz)	100	mA			
—	Derating Linear Form 25°C	0.4	mA/°C			
Topr	Operating Temperature Range	-20 to + 80	°C			
Tstg	Storage Temperature Range	-20 to + 100	°C			
Lead Soldering Temperature [1.6mm (0.063inch) From Body] 260°C For 5 Seconds.						

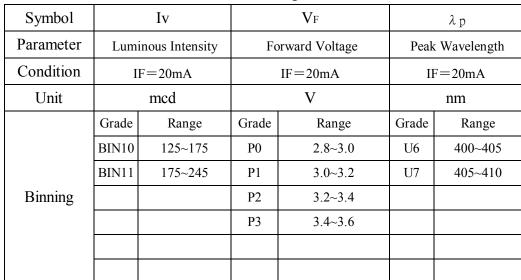
Electrical / Optical Characteristics and Curves at Ta=25°C

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Unit
VF	Forward Voltage	IF = 20 mA	2.8	3.0	3.6	V
IR	Reverse Current	VR = 5 V			50	μΑ
Δθ	Half Intensity Angle	IF = 20 mA		30		Deg.
IV	Luminous Intensity	IF = 20 mA		160		mcd.
λp	Peak Wavelength	IF = 20 mA	400	405		nm









Electrical Characteristics at Ta=25°C

Intensity: Tolerance of minimum and maximum = $\pm 15\%$

Vf: Tolerance of minimum and maximum = $\pm 0.05v$

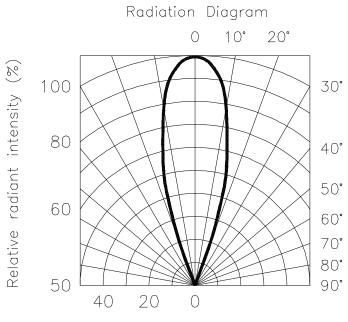
NOTE:

lighting:theway

1. Static electricity and surge damages the LED. It is recommend to use a anti-static wrist band or anti-electrostatic glove when handing the LEDs. All devices, equipment and machinery must be properly grounded.

Radiation Diagram

IF=20 mA 50% Power Angle Angle =30°



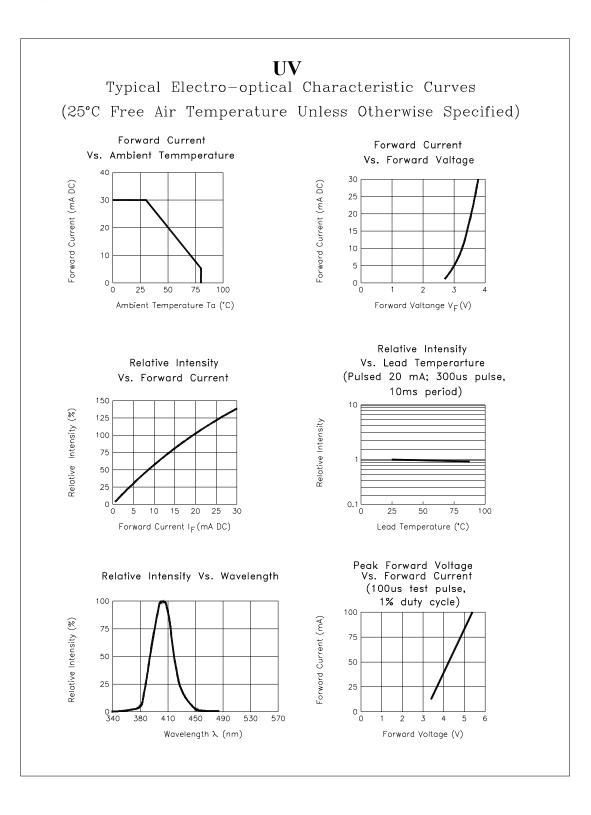
Angular displacement Θ

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