

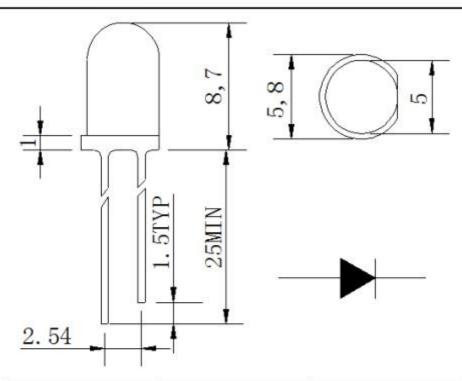
Datasheet

Item no. 1566400

V1_07172018_01_en

Brighter 5.0 mm Round UV Lamp





Epoxy Color	Material	Emitting Color		
Water clear	InGaN	Purple		

Note:

- 1. All dimensions are in millimeters.
- 2. Tolerance is ± 0.25 mm unless otherwise noted.
- 3. Protruded resin under flange is 1.6mm max.
- 4. Lead spacing is measured where the leads emerge from the package.
- 5. Specifications are subject to change without notices.

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Parameter	Maximum	Unit		
Power Dissipation	80	mW		
Peak Forward current (1/10 Duty Cycle,0.1ms Pulse Width)	100	mA		
Continuous Forward Current	20	mA		
Reverse Voltage	5	V		
Operating Temperature Range	-25°C to+ 85	-25°C to+ 85°C		
Storage Temperature Range	-25°C to+ 10	-25°C to+ 100°C		
Lead Soldering Temperature [1.6mm (0.63")from body]	260°C for 3 Se	260°C for 3 Seconds		

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Test Condition	Min	Тур	Max	Unit
Luminous Intensity	IV	IF=20mA	300	400		mcd
Dominant Wavelength	λ d	IF=20mA	398	402		nm
Viewing Angle	201/2	IF=20mA		20		deg
Forward Voltage	VF	IF=20mA	3.0	3.4		V
Reverse Current	IR	VR=5V			10	μД

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Part No: YDG-504VC

Typical Electrical/Optical Characteristics Curve:

(25°C Ambient Temperature Unless Otherwise Noted)

Fig1:Relative Intensity vs Wavelength

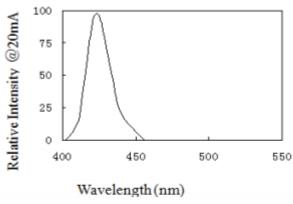
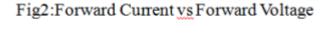


Fig3:Relative Intensity vs Forward Current



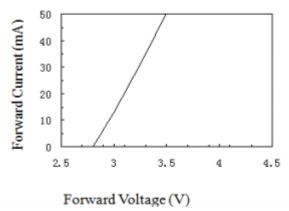
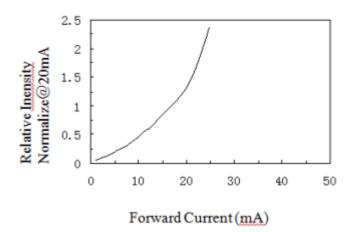
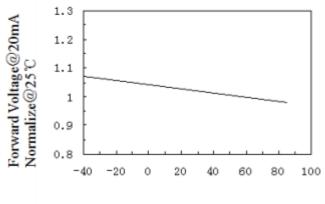


Fig4:Forward Voltage vs Temperature





Ambient Temperature (°C)