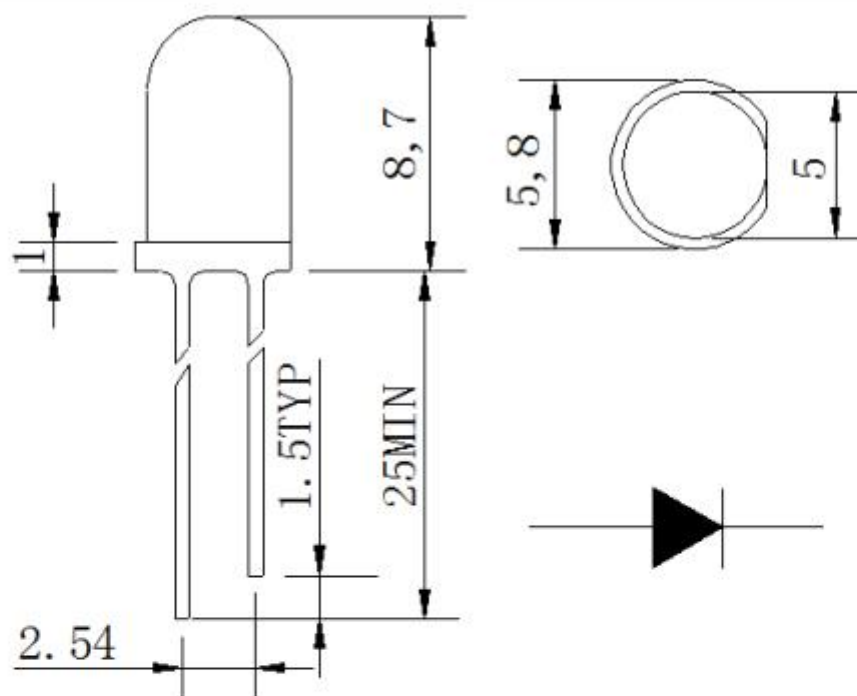


Brighter 5.0 mm Round UV Lamp



Epoxy Color	Material	Emitting Color
Water clear	<u>InGaN</u>	Purple

Note:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.25\text{mm}$ 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.

Datasheet

Item no. 1565915

V1_07172018_01_en

Parameter	Maximum	Unit				
Power Dissipation	80	mW				
Peak Forward current (1/10 Duty Cycle,0.1ms Pulse Width)	100	mA				
Continuous Forward Current	30	mA				
Reverse Voltage	5	V				
Operating Temperature Range	-25°C to+ 85°C					
Storage Temperature Range	-25°C to+ 100°C					
Lead Soldering Temperature [1.6mm (0.63")from body]	260°C for 3 Seconds					
Electrical/Optical Characteristics at Ta=25°C						
Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Luminous Intensity	IV	IF=20mA	440	500		mcd
Dominant Wavelength	λd	IF=20mA	400	405		nm
Viewing Angle	2θ1/2	IF=20mA		15		deg
Forward Voltage	VF	IF=20mA	3.0	3.5		V
Reverse Current	IR	VR=5V			10	μA

Typical Electrical/Optical Characteristics Curve: (25°C Ambient Temperature Unless Otherwise Noted)

Fig1:Relative Intensity vs Wavelength

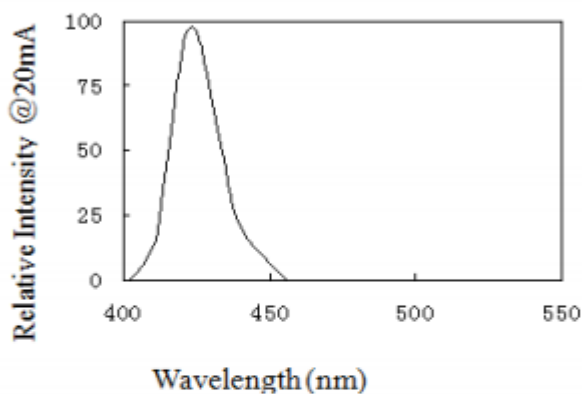


Fig2:Forward Current vs Forward Voltage

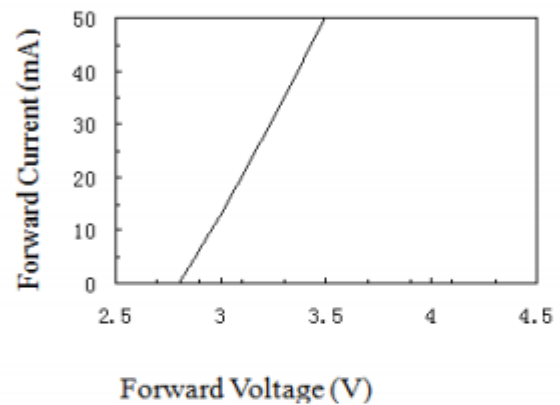


Fig3:Relative Intensity vs Forward Current

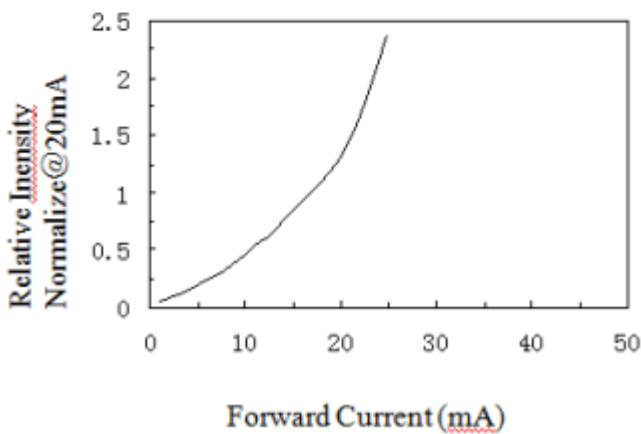


Fig4:Forward Voltage vs Temperature

