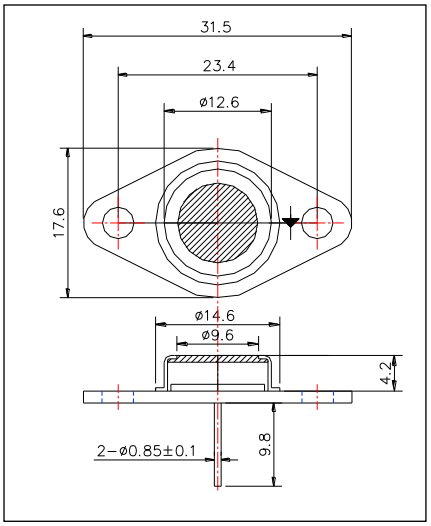
L420V-66-16100-110

Flat Lens Type UV Light Illuminator

L420V-66-16100-110 is composed of 1mmx1mm high current drive InGaN die by 16pcs and mounted on a metal stem TO-66 and covered with flat glass cap.
It is designed for extremely high output power illuminator assembled.

<Features>
- High Current Use
- High Reliability
- High Output Power

Outer Dimension (Unit:mm)



<Specifications>
1. Product Name: UV Light Illuminator
2. Type Number: L420V-66-16100-110
3. Chip:
   - Chip material: InGaN
   - Number: 16 pcs
   - Peak Wavelength: 420nm typ.
4. Package
   - Type: TO-66 Stem
   - Lens: Flat Glass Cap

Absolute Maximum Ratings[Ta=25℃]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	20	W
Forward Current	IF	1500	mA
Reverse Voltage	VR	30	V
Operating Temperature	TOPR	-40 ~ +80	℃
Storage Temperature	TSTG	-40 ~+100	℃
Soldering Temperature*	TSOL	265	℃

* Soldering condition must be completed within 3 second at 265 ℃.

Electro-Optical Characteristics [Ta=25℃]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=1.2A		13.5		V
Radiated Power*	PO	IF=1.2A		2300		mW
Peak Wavelength	λP	IF=1.2A	410	420	430	nm
Half Width	Δλ	IF=1.2A		24		nm
Viewing Half Angle	θ1/2	IF=100mA		±55		deg

* Measured by S3584-08

RoHS Compliant

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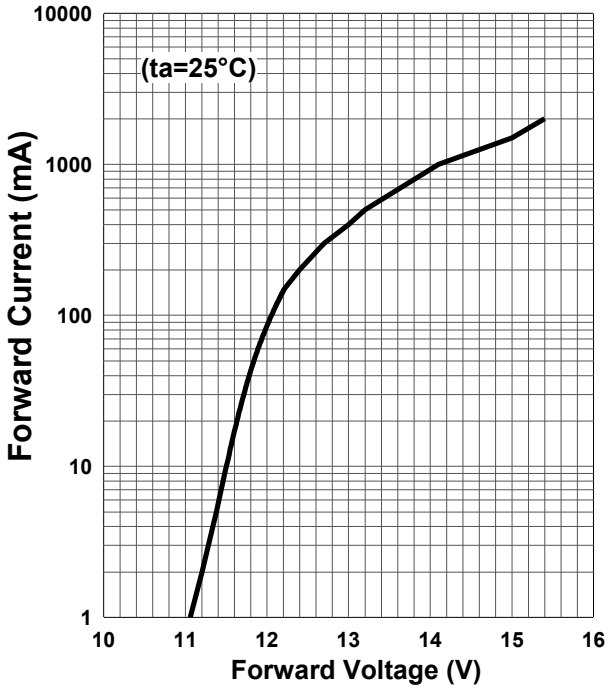
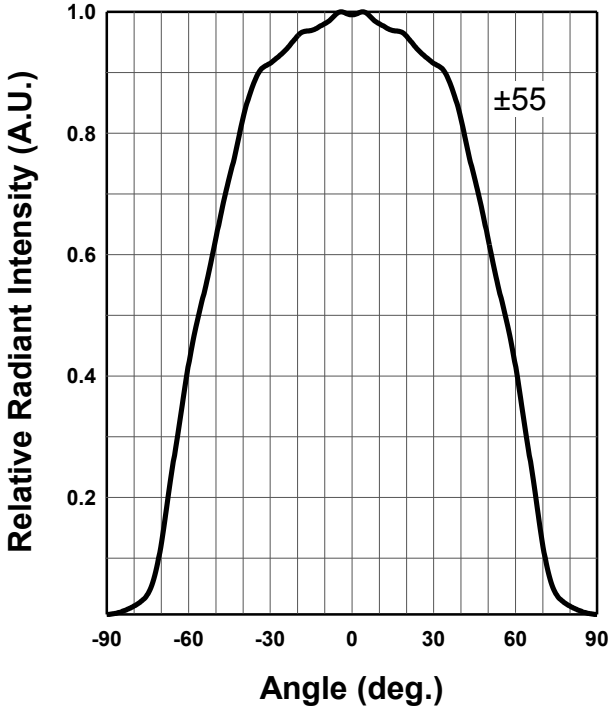
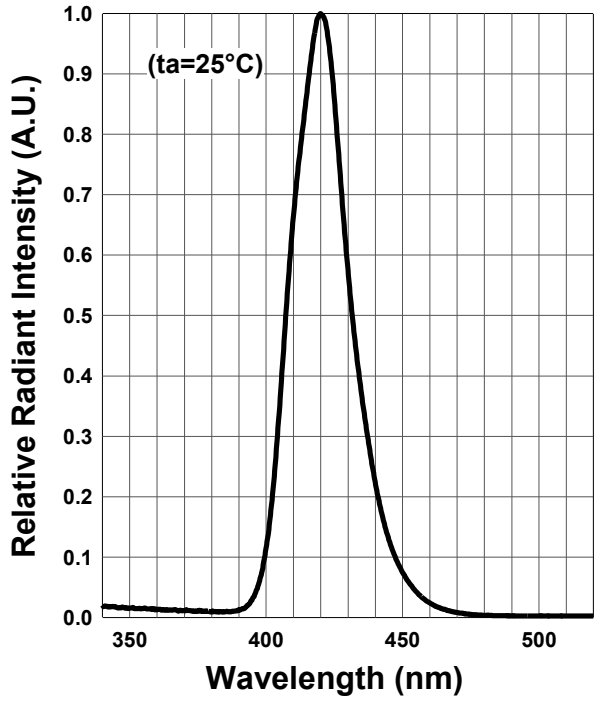
Forward Curent - Forward Voltage



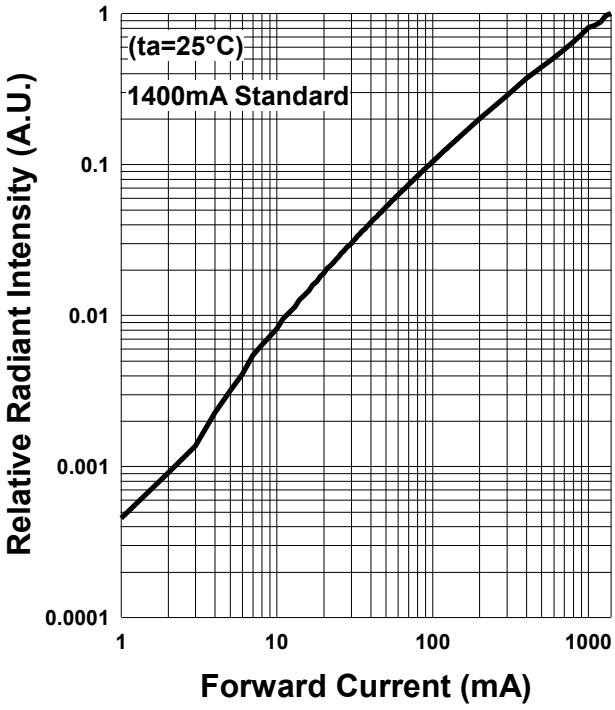
Radiation Characteristics



Relative Spectral Emission

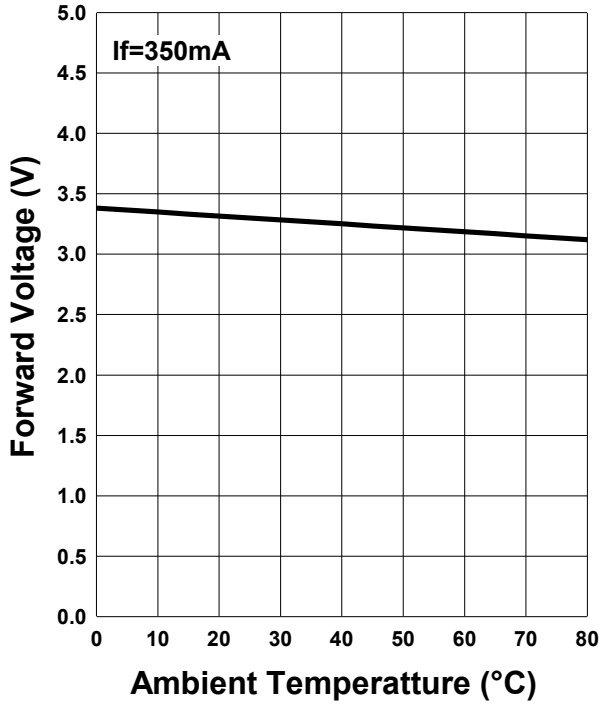


Relative Radiant Intensity - Forward Current

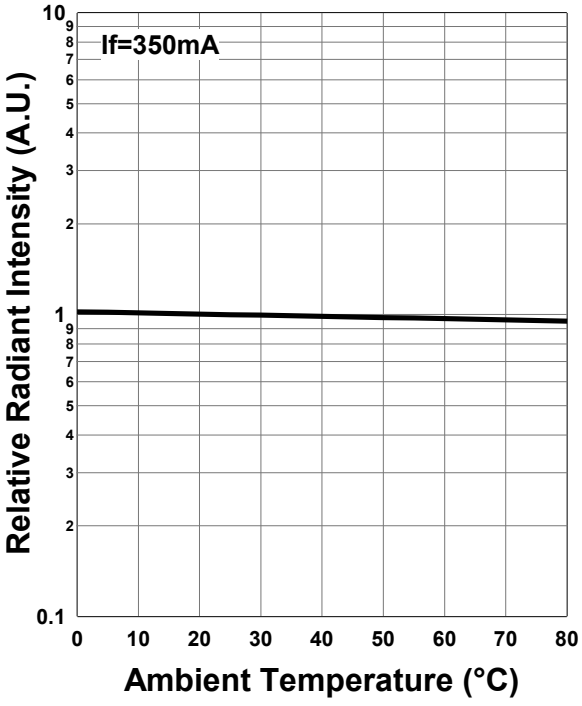


The data below shows the characteristics of one representative TO-66 chip.

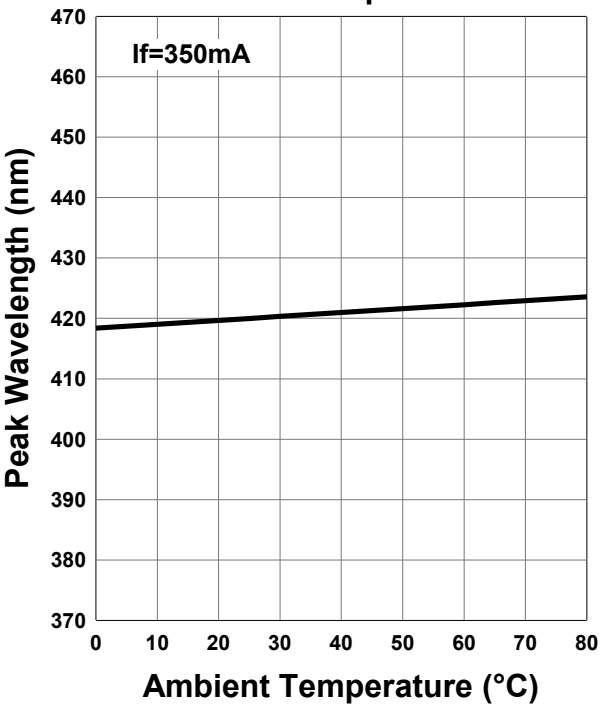
Forward Voltage - Ambient Temperture



Relative Radiant Intensity - Ambient Temperature



Peak Wavelength - Ambient Temperature



Disclaimer

Product specifications and data shown in this product catalog are subject to change without notice for the purposes of improving product performance, reliability, design, or otherwise.

Product data and parameters in this catalog are typical values based on reasonably up-to-date measurements. Product data and parameters may vary by user application and over time.

Products shown in this catalog are intended to be used for general electronic equipment. Products are not guaranteed for applications where product malfunction or failure may cause personal injury or death, including but not limited to life-supporting / saving devices, medical devices, safety devices, airplanes, aerospace equipment, automobiles, traffic control systems, and nuclear reactor control systems.

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