

## L385-66-16100-110 Flat Lens Type UV Light Illuminator

L385-66-16100-110 is composed of 1mm\*1mm 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.

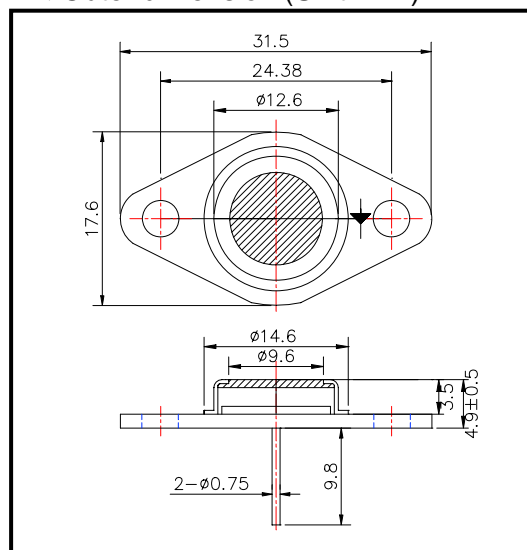
### ◆ Features

- 1) High Current Use
- 2) High Reliability
- 3) High output power at 385nm

### ◆ Specifications

- 1) Product name           UV Light Illuminator
- 2) Spec. No.               L385-66-16100-110
- 3) Chip
  - (1) Material               InGaN
  - (2) Chip Dimension      1mm\*1mm
  - (3) Peak wavelength    385nm
- 4) Package
  - (1) Stem                  TO-66 stem
  - (2) Lens                  Flat Glass cap

### ◆ Outer dimension (Unit: mm)



### ◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P <sub>D</sub>	7	W	T <sub>a</sub> =25°C
Forward Current	I <sub>F</sub>	500	mA	T <sub>a</sub> =25°C
Reverse Voltage	V <sub>R</sub>	20	V	T <sub>a</sub> =25°C
Operating Temperature	T <sub>OPR</sub>	-30 ~ +80	°C	
Storage Temperature	T <sub>STG</sub>	-30 ~ +100	°C	
Soldering Temperature	T <sub>SOL</sub>	240	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

### ◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =240mA		13.0		V
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =400mA		13.5		V
Total Radiated Power	P <sub>O</sub>	I <sub>F</sub> =240mA		*180		mW
Total Radiated Power	P <sub>O</sub>	I <sub>F</sub> =400mA		*320		mW
Radiant Intensity	I <sub>E</sub>	I <sub>F</sub> =240mA		-		mW/sr
Peak Wavelength	λ <sub>P</sub>	I <sub>F</sub> =240mA	(380)	385	(390)	nm
Half Width	Δλ	I <sub>F</sub> =240mA		17		nm
Viewing Half Angle	θ <sub>1/2</sub>	I <sub>F</sub> =240mA		±55		deg.

‡Total Radiated Power is measured by S3584-08

‡LED is required to keep less than 60°C.