

L395-66-16100-110 Flat Lens Type UV Light Illuminator

L395-66-16100-110 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.

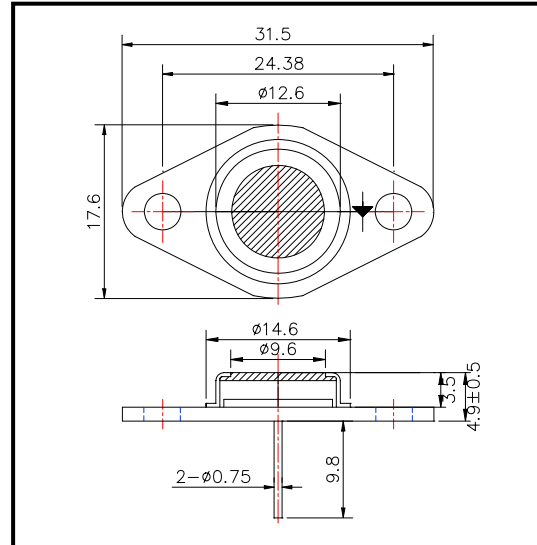
◆ Features

- 1) High Current Use
- 2) High Reliability
- 3) High output power at 395nm

◆ Specifications

- | | |
|---------------------|----------------------|
| 1) Product name | UV Light Illuminator |
| 2) Spec. No. | L395-66-16100-110 |
| 3) Chip | |
| (1) Material | InGaN |
| (2) Chip Dimension | 1mm*1mm |
| (3) Peak wavelength | 395nm |
| 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 _D	20	W	T _a =25°C
Forward Current	I _F	1,200	mA	T _a =25°C
Pulse Forward Current	I _{FP}	3000	mA	T _a =25°C
Reverse Voltage	V _R	20	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +80	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	240	°C	

‡Pulse Forward Current condition: Duty=1% and Pulse Width=1us.

‡Soldering condition : Soldering condition must be completed within 3 seconds at 260°C

◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =1A		15.0		V
Brightness	I _v	I _F =1A		-		mcd
Total Radiated Power	P _o	I _F =1A		1,000		mW
Radiant Intensity	I _E	I _F =1A		-		mW/sr
Peak Wavelength	λ _P	I _F =200mA	(390)	395	(400)	nm
Half Width	Δλ	I _F =200mA		17		nm
Viewing Half Angle	θ _{1/2}	I _F =200mA		±55		deg.

‡Heat sink is required to protect LED at 60°C or less.

‡Total Radiated Power is measured by S3584-08