

# L375-66-60-110

## Flat Lens Type UV Light Illuminator

L375-66-60-110 is a wide viewing and extremely high output power illuminator assembled with a total of 60 high efficiency InGaN UV diode chips, mounted on a metal stem TO-66 and covered with Flat Glass Cap.

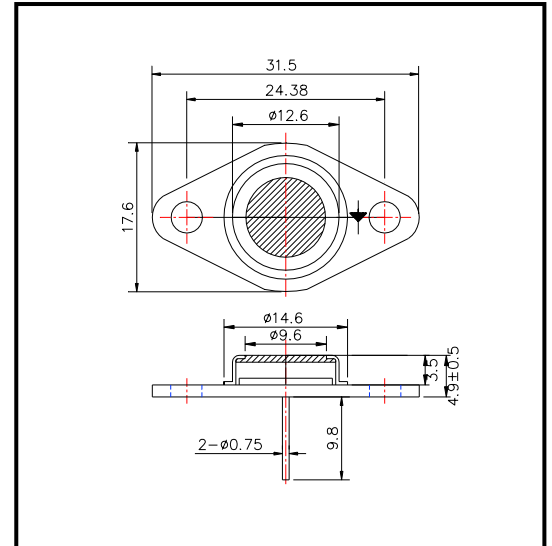
### ◆ Features

- 1) High reliability
- 2) Compact (TO-66) package
- 3) High output power at 375nm

### ◆ Specifications

- |                     |                      |
|---------------------|----------------------|
| 1) Product name     | UV Light Illuminator |
| 2) Spec. No.        | L375-66-60-110       |
| 3) Chip             |                      |
| (1) Material        | InGaN                |
| (2) Peak wavelength | 375nm                |
| 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>	5.0	W	T <sub>a</sub> =25°C
Forward Current	I <sub>F</sub>	300	mA	T <sub>a</sub> =25°C
Pulse Forward Current	I <sub>FP</sub>	-	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	

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

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

### ◆ Electro-Optical Characteristics

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =200mA		17.0		V
Brightness	I <sub>V</sub>	I <sub>F</sub> =200mA		-		mcd
Total Radiated Power	P <sub>O</sub>	I <sub>F</sub> =200mA		150		mW
Radiant Intensity	I <sub>E</sub>	I <sub>F</sub> =200mA		-		mW/sr
Reverse Current	V <sub>R</sub>	I <sub>R</sub> =10uA	20			V
Peak Wavelength	$\lambda_P$	I <sub>F</sub> =200mA	365	375	385	nm
Half Width	$\Delta\lambda$	I <sub>F</sub> =200mA		17		nm
Viewing Half Angle	$\theta_{1/2}$	I <sub>F</sub> =200mA		±55		deg.

‡Heat sink is required thermal resistance <8K/W