

L385-66-60

epoxy lens type UV Light illuminator

L385-66-60 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 double coated clear silicone and epoxy resin .

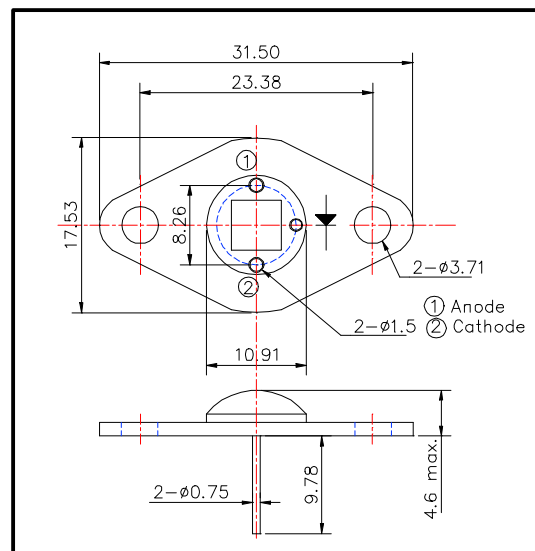
Features

- 1) High reliability
- 2) Compact (TO-66) package
- 3) High output power at 385nm

Specifications

- | | |
|---------------------|-------------------------------|
| 1) Product name | UV Light Illuminator |
| 2) Spec. No. | L385-66-60 |
| 3) Chip | |
| (1) Material | InGaN |
| (2) Peak wavelength | 385nm |
| 4) Package | |
| (1) Stem | TO-66 stem |
| (2) Lens | Clear silicone and epoxy lens |

Outer dimension (Unit: mm)



Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	5.0	W	T _a =25°C
Forward Current	I _F	300	mA	T _a =25°C
Pulse Forward Current	I _{FP}	-	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 =200mA		17.0		V
Brightness	I _V	I _F =200mA		-		mcd
Total Radiated Power	P _O	I _F =200mA		150		mW
Radiant Intensity	I _E	I _F =200mA		-		mW/sr
Reverse Current	V _R	I _R =10uA	20			V
Peak Wavelength	I _P	I _F =200mA	375	385	395	nm
Half Width	D I	I _F =200mA		17		nm
Viewing Half Angle	Q _{1/2}	I _F =200mA		±55		deg.

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

‡ Brightness is measured by Tektronix J-16.

‡ Radiated Power is measured by Ando Optical Multi Meter AQ2140 & AQ2741