

L385-66-30100-110 UV Illuminator PRELIMINARY

L385-66-30100-110 emits high density beam such 385nm and 3.7W from 42mm square emitting area. It is consisted by 385nm 30pcs at 6mm*7mm area and covered with flat Glass Cap.

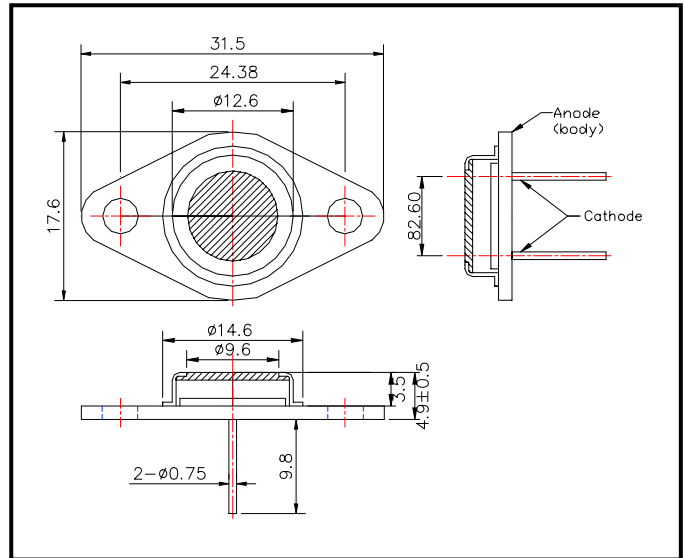
◆Features

- 1) High density beam
- 2) 6mm*7mm of emitting area
- 3) Compact (TO-66) package

◆ Specifications

- 1) Product name UV Light Illuminator
- 2) Spec. No. L385-66-30100-110
- 3) Chip
- (1) Material InGaN
- (2) Peak wavelength 385nm
- (3) Numbers 30pcs of 1mmsq. die
- 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	59	W	T _a =25°C
Forward Current	I _F	15	A	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +120	°C	
Storage Temperature	T _{STG}	-30 ~ +120	°C	
Soldering Temperature	T _{SOL}	265	°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 _F	I _F =12A		3.8		V
		I _F =15A		3.9		
Radiated Power	P _O	I _F =12A		3100		mW
		I _F =15A		3700		
Peak Wavelength	λ_P	I _F =1A		385		nm
Half Width	$\Delta\lambda$	I _F =1A		17		nm
Viewing Half Angle	$\theta_{1/2}$	I _F =1A		±55		deg.

‡Total Radiated Power is measured by S3584-08