

L405-66-60-550

UV LED Illuminator with Glass Ball Lens Cap / Heat Sink

L405-66-60-550 is an extremely high beam and output power illuminator assembled with a total of 60 high efficiency InGaN UV diode chips, mounted on a metal stem TO-66 and sealed with glass ball lens cap and with heat sink for high current use.

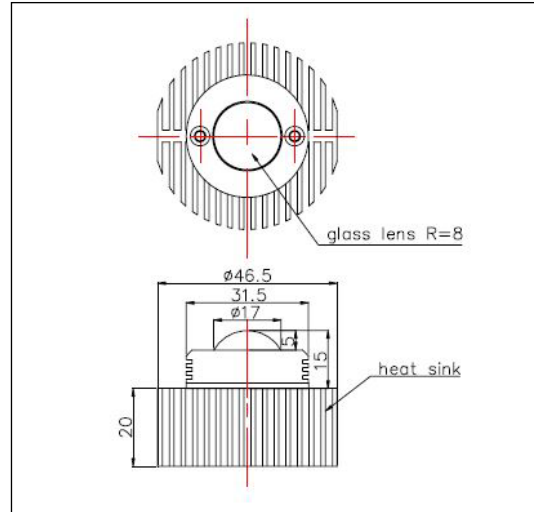
<Features>

- High Reliability
- Compact(TO-66) Package
- High Output Power at 405nm

<Specifications>

1. Product Name: UV Light Illuminator
2. Type Number: L405-66-60-550
3. Chip:
 - Chip material: InGaN
 - Peak Wavelength: 405nm typ.
4. Package
 - Type: TO-66 Stem
 - Lens: Glass Ball Lens
 - Heat Sink: Aluminum

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	6.0	W
Forward Current	IF	300	mA
Pulse Forward Current*	IFP	500	mA
Reverse Voltage	VR	30	V
Operating Temperature	TOPR	-30 ~ +80	°C
Storage Temperature	TSTG	-30 ~+100	°C
Soldering Temperature**	TSOL	240	°C

* Duty=1% and Pulse Width=1us

** Soldering condition must be completed within 3 second at 260 °C.

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=240mA		18.0		V
Brightness*	IV	IF=240mA		70		mcd
Total Radiated Power**	PO	IF=240mA		300		mW
Radiant Intensity	IE	IF=240mA		-		mW/sr
Reverse Current	VR	IR=10uA	30			V
Peak Wavelength	λP	IF=240mA	395	405	415	nm
Half Width	Δλ	IF=240mA		15		nm
Viewing Half Angle	θ1/2	IF=240mA		±20		deg

* Measured by Tektronix J-16

** Measured by Ando Optical Multi Meter AQ2140&AQ2741

Heat sink is required thermal resistance <8K/W

