Marubeni

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

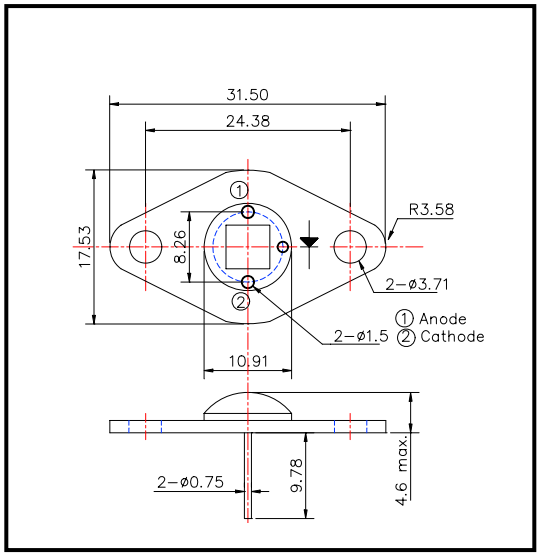
2) Compact (TO-66) package

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	PD	5.0	W	Ta=25°C
Forward Current	IF	300	mA	Ta=25°C
Pulse Forward Current	IFP	-	mA	Ta=25°C
Reverse Voltage	VR	20	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +80	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature	TSOL	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	VF	IF=200mA		17.0		V
Brightness	IV	IF=200mA		-		mcd
Total Radiated Power	PO	IF=200mA		150		mW
Radiant Intensity	IE	IF=200mA		-		mW/sr
Reverse Current	VR	IR=10uA	20			V
Peak Wavelength	λP	IF=200mA	375	385	395	nm
Half Width	Δλ	IF=200mA		17		nm
Viewing Half Angle	θ 1/2	IF=200mA		±55		deg.

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

‡Brightness is measured byTektronix J-16.

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

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