epitex Opto-Device & Custom LED

MOLD LED LAMP L375series Lead(Pb)Free Product-RoHS Compliant

L375R-33

UV LED Lamp with UV resistant resin

L375R-33 is an InGaN LED mounted on a lead frame with a clear silicone lens.

On forward bias it emits a band of visible light peaks 375nm.

Features

- High Power UV LED
- Peak wavelength typ. 375 nm
- Emission angle ±13°

Applications

- UV curing Light Sources
- Industrial emitters

Safety Advices

Depending on the application, these devices which emit infrared light may exceed over Accessible Emission Limit and cause the damage to the human eye.
Keep the safety precautions given in IEC 60825-1 and IEC 625471 before using.

Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	200	mW	Ta=25°C
Forward Current	IF	50	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-40 ~ +100	°C	
Soldering Temperature	TSOL	265	°C	

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

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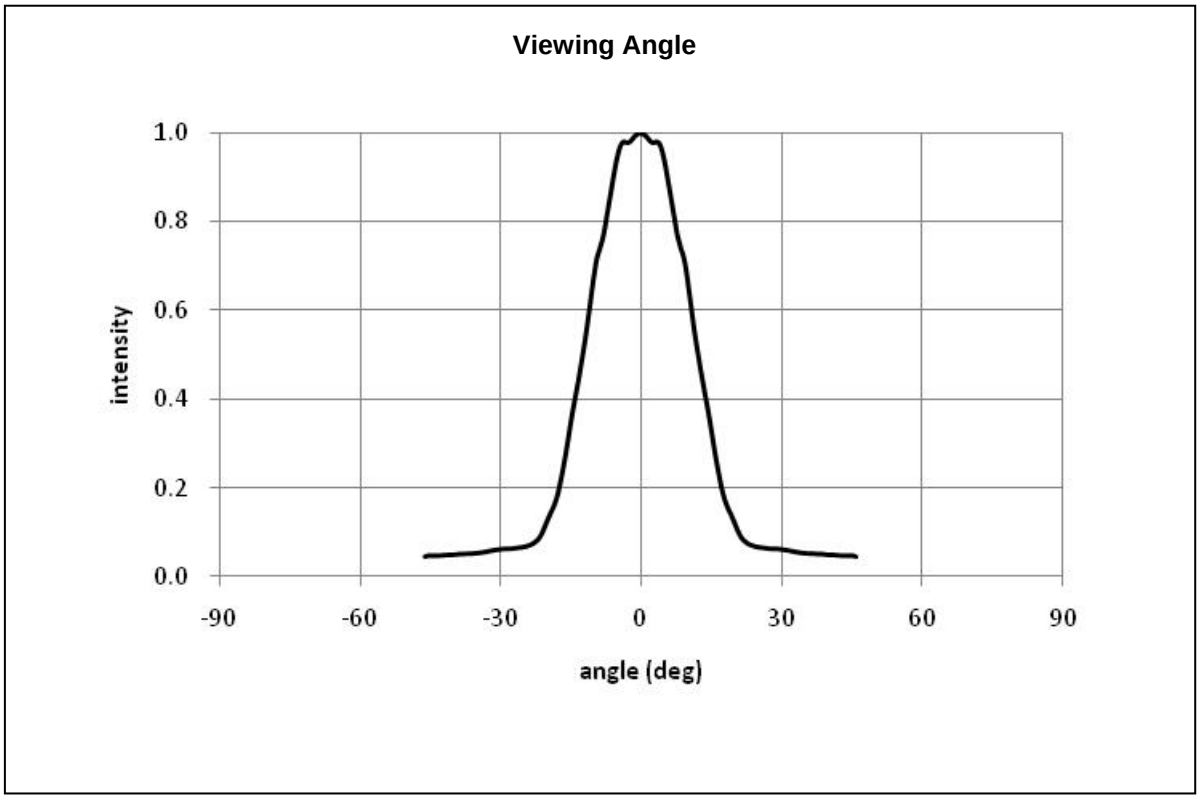
Electro-Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.8	4.3	V
Reverse Current	IR	VR=5V			10	uA
Radiated Power	PO	IF=20mA		2.5		mW
Radiant Intensity	IE	IF=20mA		4.0		mW/sr
Peak Wavelength	λP	IF=20mA	370	375	380	nm
Half Width	Δλ	IF=20mA		10		nm
Viewing Half Angle	$\theta_{1/2}$	IF=20mA		±13		deg.

‡Radiated Power is measured by S3584-08.
‡Radiant Intensity is measured by Ando Optical Multi Meter AQ2140 & AQ2741



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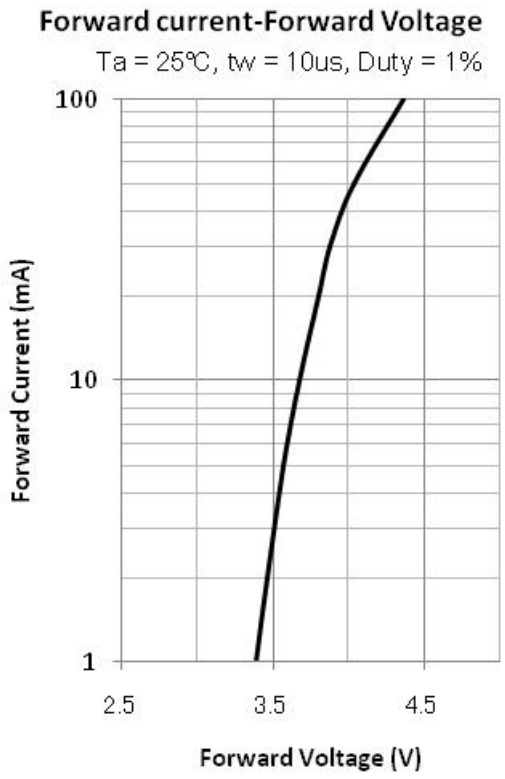

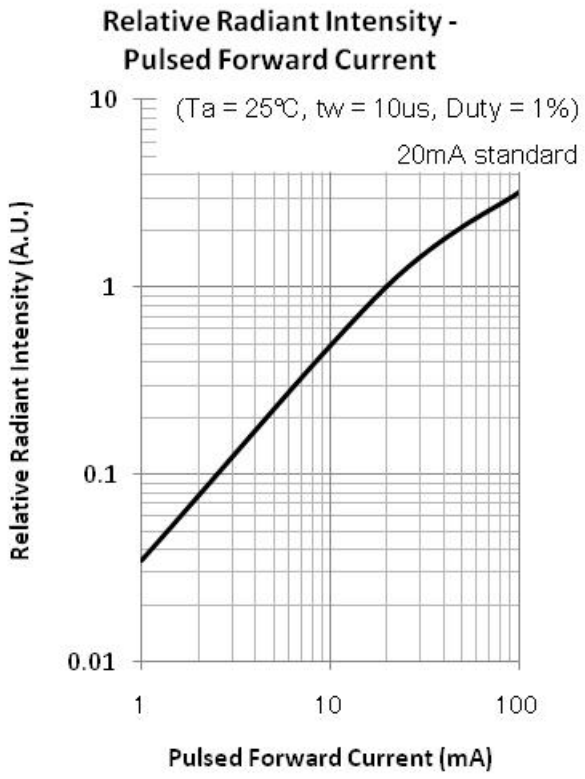

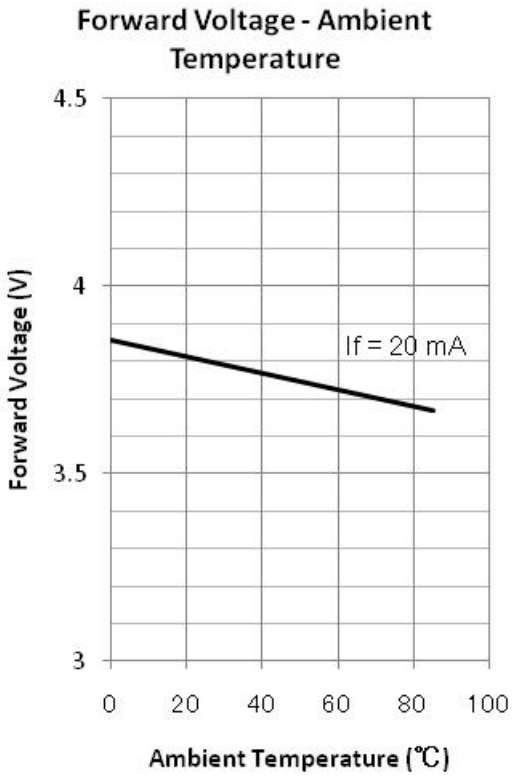

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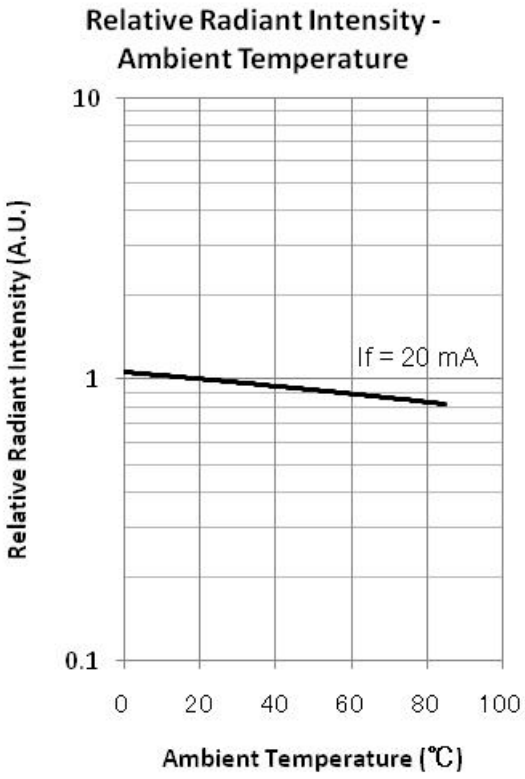

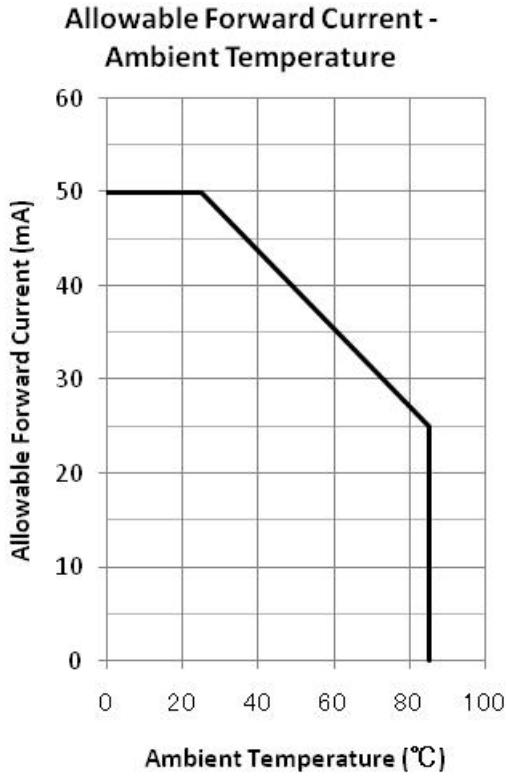

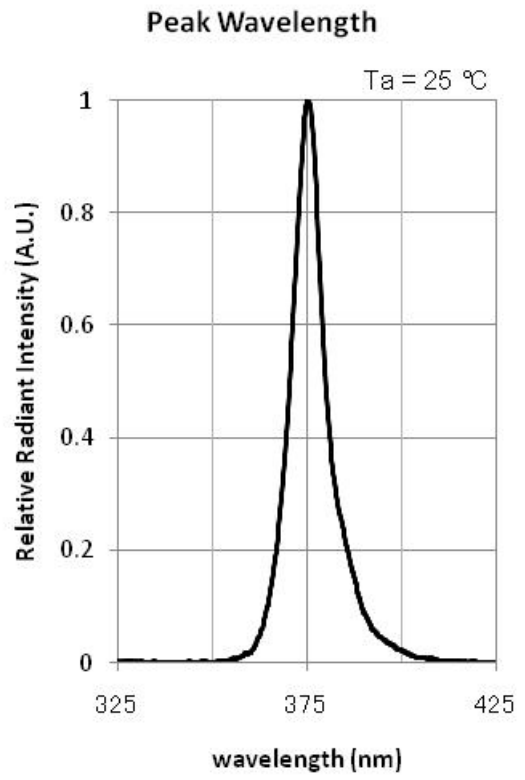

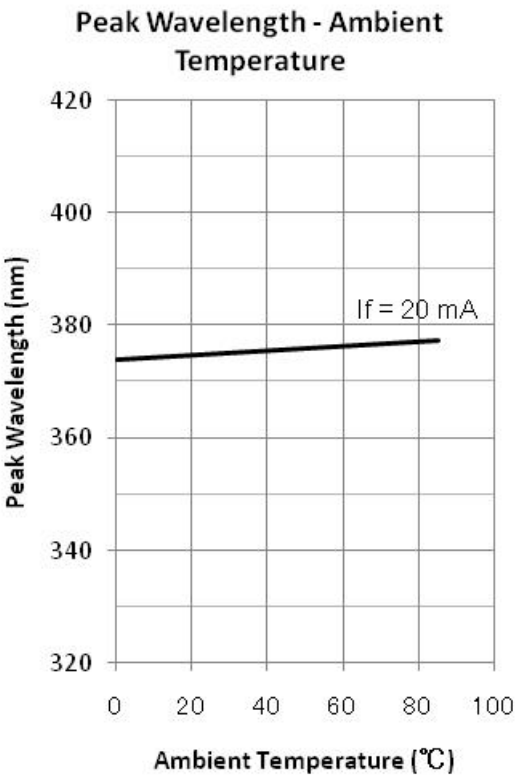

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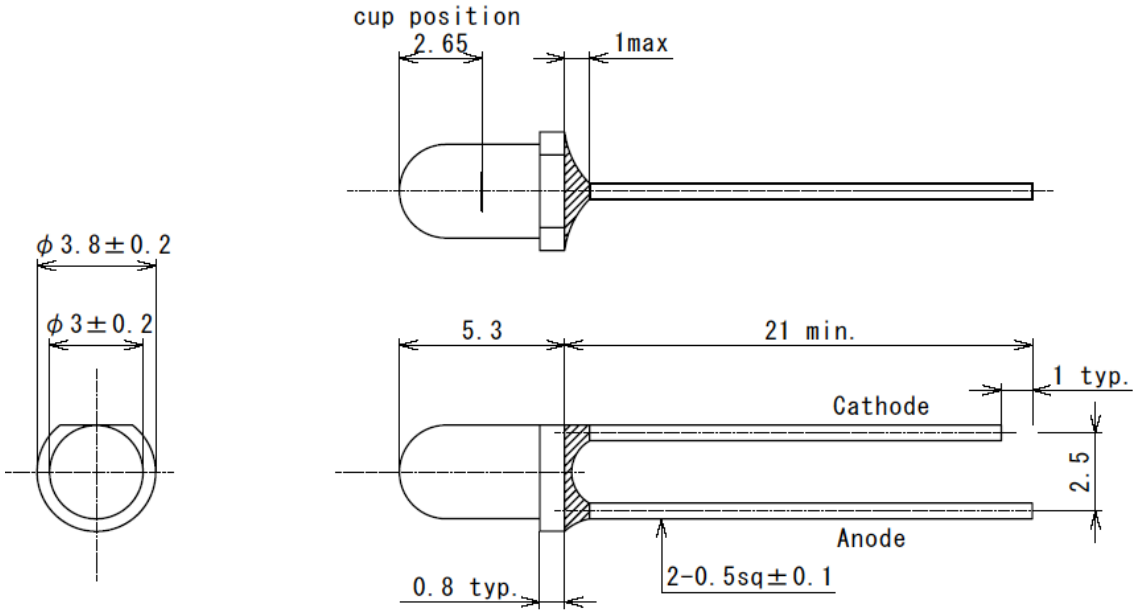
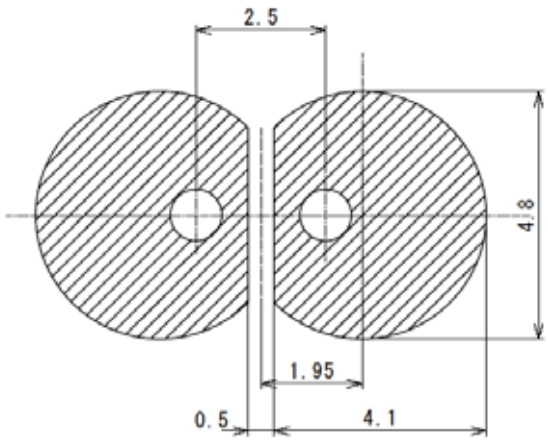
Outer Dimension (Unit: mm)



Recommended Land Layout (unit: mm)



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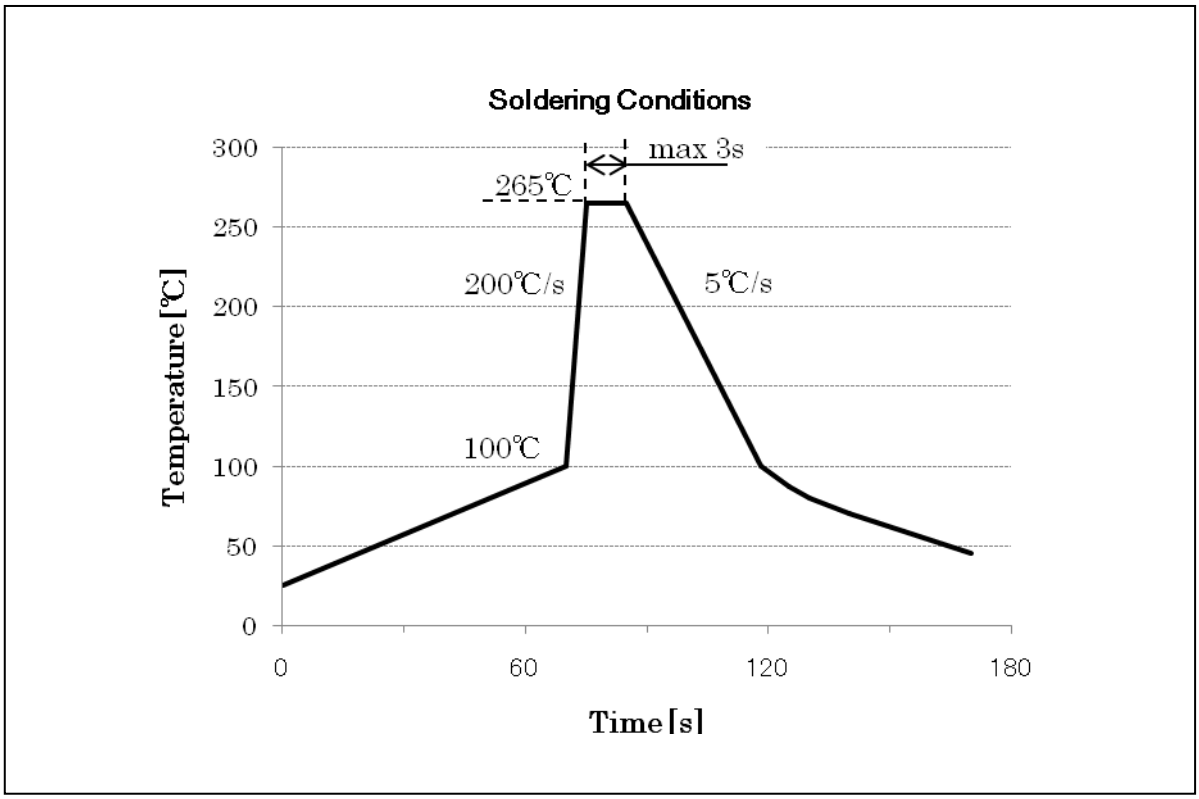

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