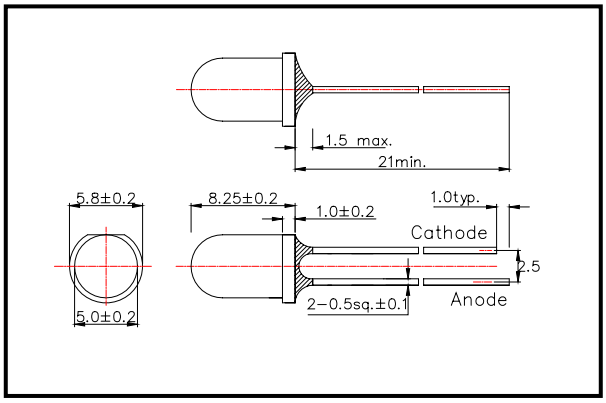
L375R-03 UV LED Lamp with UV resistant resin

L375R-03 is an InGaN LED mounted on a lead frame with UV resistant resin.
On forward bias, it emits a band of visible light that peaks 375nm.
This UV series is designed for long life under UV beam.

♦ Features

1) High reliable for long life under UV beam.
2) High output power at 375nm

♦Outer dimension (Unit: mm)



♦Specifications

1) Product Name	UV LED Lamp
2) Type No.	L385-03
3) Chip	
(1) Chip Material	InGaN
(2) Peak Wavelength	375nm typ.
4) Package	
(1) Type	Φ5mm clear molding
(2) Resin Material	Epoxy Resin
(3) Lead Frame	Soldered (Lead Free)

♦Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P_D	110	mW	Ta=25°C
Forward Current	I_F	30	mA	Ta=25°C
Reverse Voltage	V_R	3	V	Ta=25°C
Operating Temperature	T_{OPR}	-30 ~ +85	°C	
Storage Temperature	T_{STG}	-30 ~ +100	°C	
Soldering Temperature	T_{SOL}	260	°C	

‡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=20mA		3.5	4.0	V
Reverse Current	I_R	V_R=5V			10	uA
Total Radiated Power	P_O	I_F=20mA		2.5		mW
Brightness	I_V	I_F=20mA		-		mcd
Radiant Intensity	I_E	I_F=20mA		7		mW/sr
Peak Wavelength	λ_P	I_F=20mA	365	375	385	nm
Half Width	$\Delta\lambda$	I_F=20mA		10		nm
Viewing Half Angle	$\theta_{1/2}$	I_F=20mA		±10		deg.

‡Total Radiated Power is measured by Ando Optical Multi Meter AQ2140 & AQ2741.
‡Ando Optical Multi Meter AQ2140 is setted at 400nm range.
‡Radiant Intensity is measured by Epitex's designed and AQ2140 & AQ2741

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