Marubeni

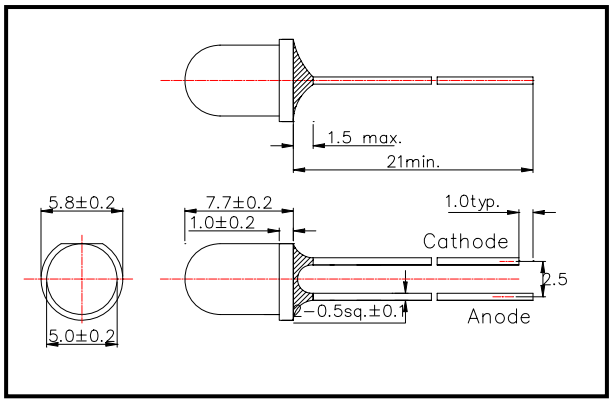
L375R-04 UV LED Lamp with UV resistant resin

L375R-04 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.	L375-04
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	PD	110	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Reverse Voltage	VR	3	V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature	TSOL	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	VF	IF=20mA		3.5	4.3	V
Reverse Current	IR	VR=5V			10	uA
Total Radiated Power	PO	IF=20mA		2.5		mW
Brightness	IV	IF=20mA		-		mcd
Radiant Intensity	IE	IF=20mA		3.5		mW/sr
Peak Wavelength	λP	IF=20mA	365	375	385	nm
Half Width	Δλ	IF=20mA		10		nm
Viewing Half Angle	θ 1/2	IF=20mA		±19		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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