



L370-__ __ Ultraviolet LED Lamp

This series of L370-__ __ is an InGaN LED mounted on a lead frame with a clear epoxy lens. On forward bias, it emits a band of visible light that peaks 370nm.

1) Specifications

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|---------------------|-------------------|
| (1) Chip material | InGaN |
| (2) Peak wavelength | 370nm typ. |
| (3) Package | Clear epoxy resin |
| (4) Lead frame | Soldered |

2) Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	110	mW	T _a =25°C
Forward Current	I _F	30	mA	T _a =25°C
Reverse Voltage	V _R	3	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +85	°C	T _a =25°C
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	250	°C	

3) Electro-Optical Characteristics [T_a=25°C]

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 =3V			10	uA
Total Radiated Power	P _O	I _F =20mA		1.5		mW
Peak Wavelength	λ _P	I _F =20mA	360	370	380	nm
Half Width	Δλ	I _F =20mA		20		nm

4) Characteristics of Brightness [T_a=25°C]

Type	Viewing Half Angle	Brightness I _F =20mA unit: mcd			Outer Dimension	
		Minimum	Typical	Maximum	Dimension	Figure
L370-01V	±10°		15		φ5	1
L370-02V	±5°		-		φ5	2
L370-03V	±12°		10		φ5	3
L370-04V	±23°		5		φ5	4
L370-05V	±30°		15		φ5	5
L370-06V	±10°		-		φ5	6
L370-09V	±20°(Long)		-		φ5	7
	±15°(Short)				Oval	
L370-10V			-		φ10	8
L370-33V	±15		-		φ3	9
L370-36V	±30		-		φ3	10

‡ Radiated Power is measured by Ando Optical Multi Meter AQ2730 & AQ2741

‡ Radiant Intensity is measured by Tektronix J-6512.