



L395-__ _V Ultraviolet LED Lamp

This series of L395-__ _V 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 395nm.

1) Specifications

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|---------------------|-------------------|
| (1) Chip material | InGaN |
| (2) Peak wavelength | 395nm 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	120	mW	T _a =25°C
Forward Current	I _F	30	mA	T _a =25°C
Reverse Voltage	V _R	5	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}	260	°C	

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

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.8	4.3	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA		6.0		mW
Peak Wavelength	λ _P	I _F =20mA	385	395	405	nm
Half Width	Δλ	I _F =20mA		15		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
L395-01V	±10°		100		φ5	1
L395-02V	±5°		130		φ5	2
L395-03V	±12°		90		φ5	3
L395-04V	±23°		35		φ5	4
L395-05V	±30°		15		φ5	5
L395-06V	±9°		140		φ5	6
L395-09V	±20°(Long)		60		φ5	7
	±13°(Short)				Oval	
L395-10V					φ10	8
L395-33V	±18°		45		φ3	9
L395-36V	±28°		20		φ3	10

‡ Brightness is measured by Tektronix J-16.

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

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