

L385-30

 High Power UV Stem LED Lamp

The series of L385-30 is an InGaN UV LED mounted on a metal stem and covered hermetically sealed with Φ 5 glass-lens can. On forward bias it emits a high power radiation, which peaks at 385nm.

◆ 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
Pulse Forward Current	I _{FP}	50	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	

‡Pulse Forward Current condition: Duty=1% and Pulse Width=10us.

‡Soldering condition: Soldering condition must be completed within 3 seconds at 250°C

◆ Electro-Optical Characteristics [T_a=25°C]

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.6	4.3	V
Reverse Current	I _R	V _R =3V			10	uA
Peak Wavelength	λ_P	I _F =20mA	375	385	395	nm
Half Width	$\Delta\lambda$	I _F =20mA		17		nm

◆ Radiant Power and Radiant Intensity at I_F=20mA [T_a=25°C]

Type	Viewing Half Angle	PO [mW]			IE [mW/sr]		
		Min.	Typ.	Max.	Min.	Typ.	Max.
L385-30M32	±15°	0.7	1.5		10	20	
L385-30K42	±5°	0.5	1.0		13	26	
L385-30T52	±45°	0.7	1.4		0.5	1.0	

‡Radiant Power and Radiant Intensity is measured by Ando Optical Multi Meter AQ2140 & AQ2741

◆ Outer dimension (Unit: mm)

