

Specification Sheet: Ultra Violet LED Chip

Model: UC1212L10-A1-UGH

1) Optical and Electrical Characteristics (Ta=25°C)

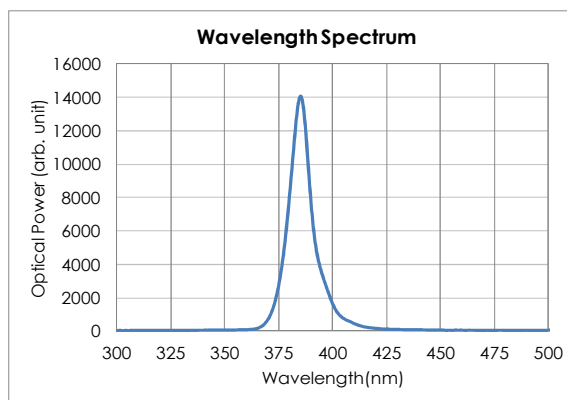
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF1	If=20mA	2.8	-	3.6	V
Reverse Current	Ir	Vr=-5V	-	-	2	uA
Peak Wavelength	WP	If=20mA	380		390	nm
Optical Power	IV	If=20mA	Refer to Rank Information			mW

Rank Information (Bin Table)

Po (Optical Power)			
BIN	Min	Typ.	Max.
10	10	-	12
12	12	-	14
14	14		16
16	16		18

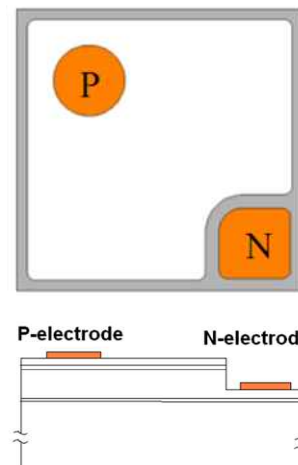
*This value is depends on the measurement equipment.

The bin table could be changed.



2) Description

Description	Dimension	Material
Chip Size	300um x 300 um ± 20um	
Emission Area	280um x 280 um ± 20um	GaN Based Material
Chip Thickness	120 um ±15um	
P Bonding Pad	Φ75um ± 15um	Au
N Bonding Pad	Φ75um ± 15um	Au
Backside	Reflective	DBR



3) Caution

- Don't look directly into the LED light. UV radiation can harm your eyes.
- To prevent even inadequate exposure, wear protective eyewear.
- If LEDs are embedded in devices, please indicate warning labels against the UV light LED used.
- LED chips are very sensitive to static and surge. All equipment and human bodies must be properly grounded.
- LED chips should be stored at normal temperature (15 ~ 35°C) and humidity(45 ~ 70%). LED chips can be stored for maximum 3 months.



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