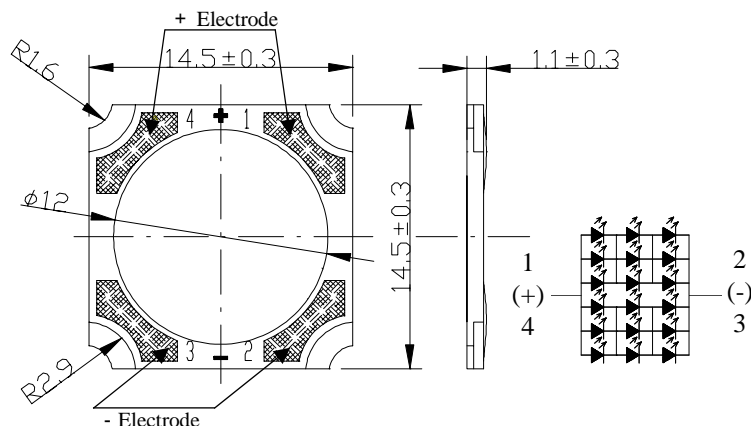


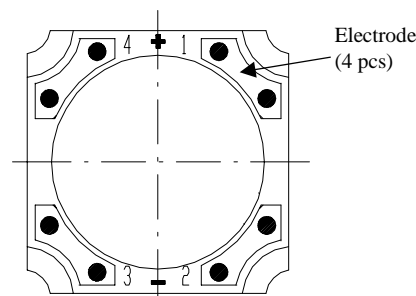
ULTRA VIOLET LED MODULE NS375M-CPFX

(1) Dimension · Circuit Diagram (Unit : mm)



(2) Recommended Soldering

● Soldered Portion (Both ends of electrode)

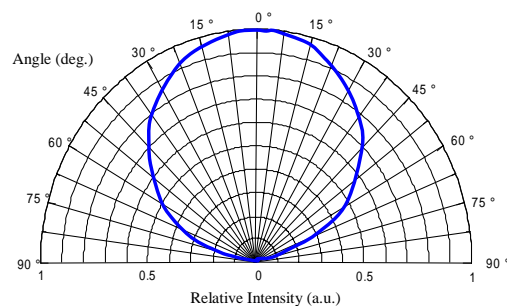


*Do not solder in electrode twice

(3) Absolute Maximum Ratings (Ta=25)

Item	Symbol	Maximum Rating	Unit
DC Forward Current	I_F	600	mA
Reverse Voltage	V_R	15	V
Power Dissipation	P_D	7.6	W
Operating Temperature	T_{OPR}	-25 to +80	
Storage Temperature	T_{STG}	-30 to +85	
Soldering Temperature	T_{SOL}	260(within 3sec)	

(5) Directive Characteristics (Ta=25)



Instruction for use

Heat dissipation should be considered in the application design to avoid the environmental conditions for operation in excess of the absolute maximum ratings.

Use 3 W heat sink.

The humidity environment of products should be maintained 40~70%RH in design and use whether keeping operating.

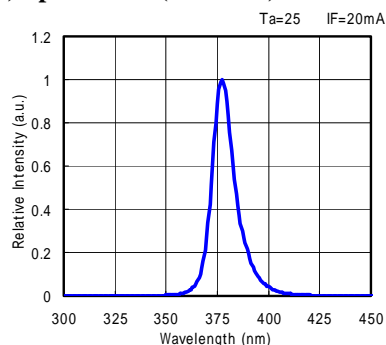
(4) Optical and Electrical Characteristics (Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=480\text{mA}$	-	11.0	-	V
Peak Wavelength*1	λ_p	$I_F=480\text{mA}$	375	-	380	nm
Full Width at Half Maximum	$\Delta\lambda$	$I_F=480\text{mA}$	10	-	20	nm
Optical Output Power	P_o	$I_F=480\text{mA}$	-	450	-	mW

*1 Measurement error is $\pm 2\text{nm}$

*2 Measurement error is $\pm 10\%$

(6) Spectrum (Ta=25)



CAUTION

- LEDs emit very strong UV radiation.
- 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.
- Keep out of reach of children.

Specification and dimension are subject to change for improvement without notice.