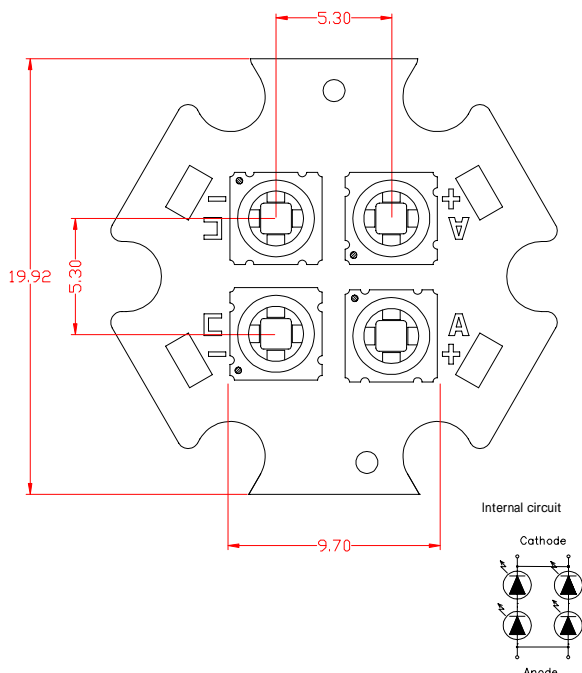


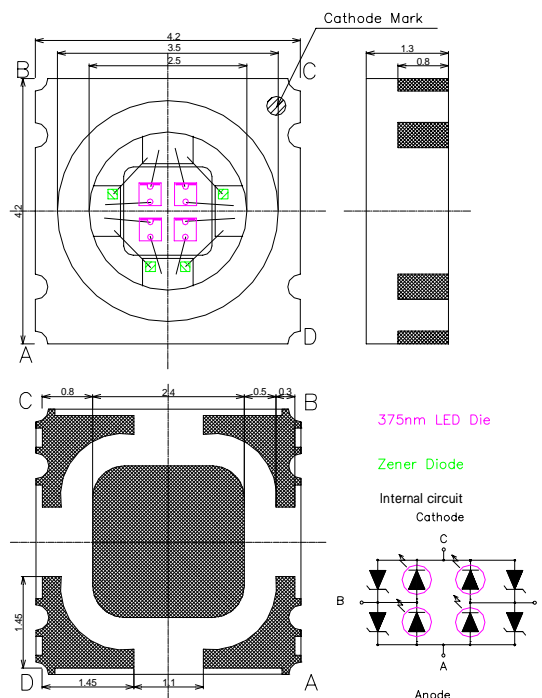
ULTRA VIOLET LED MODULE

NS375M-SFHM

(1) Dimension (Unit : mm) tolerance ± 0.20



(2) LED Dimension (Unit : mm) tolerance ± 0.20



(3) Absolute Maximum Ratings (Ta=25)

Item	Symbol	Maximum Rating	Unit
DC Forward Current	I_F	160	mA
Power Dissipation	P_D	2.52	W
Operating Temperature	T_{OPR}	-30 to +80	
Storage Temperature	T_{STG}	-30 to +100	

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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=120\text{mA}$	13.0	15.0	17.0	V
Peak Wavelength*1	λ_p	$I_F=120\text{mA}$	375	-	380	nm
Full Width at Half Maximum	$\Delta\lambda$	$I_F=120\text{mA}$	10	-	20	nm
Optical Output Power *2	P_o	$I_F=120\text{mA}$	-	300	-	mW

*1 Measurement error is $\pm 2\text{nm}$ *2 Measurement error is $\pm 10\%$ 

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 5 W/W heat sink.

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



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.
- UV LED chips are very sensitive to static and surge. Take a full protection from static.

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