ULTRA VIOLET LED HIGH POWER NS375M-CPLY

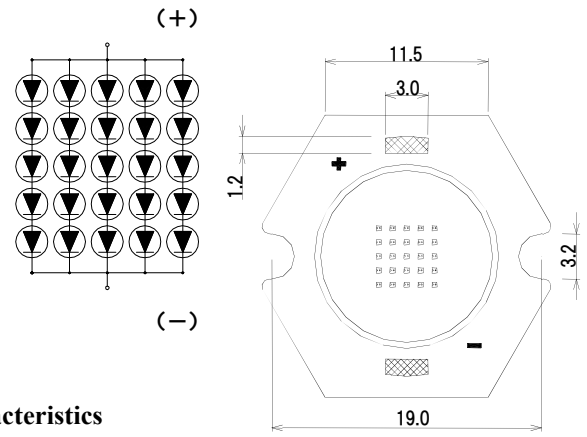
(1) Absolute Maximum Ratings (Ta=25℃)

(3℃/W heat sink in use)

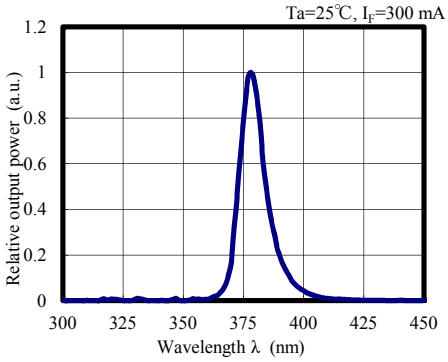
Item	Symbol	Maximum Rating	Unit
DC Forward Current	I_F	350	mA
Power Dissipation	P_D	8.75	W
Operating Temperature	T_{OPR}	-25 to +80	℃
Storage Temperature	T_{STG}	-30 to +100	℃
Soldering Temperature*	T_{SOL}	350(within 3sec)	℃

* hand soldering

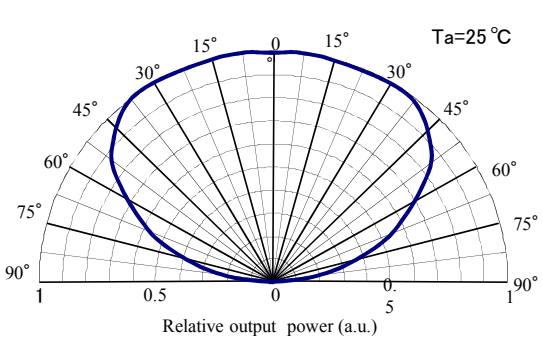
(2)Dimension・Circuit Diagram (Unit : mm)

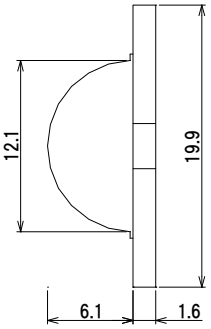


(3) Spectrum (Ta=25℃)



(4) Directive Characteristics





* Pre-soldering is on the electrode pads.

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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=300mA	18.0	21.0	25.0	V
Peak Wavelength*1	λ_p	I_F=300mA	370	-	380	nm
Full Width at Half Maximum	$\Delta\lambda$	I_F=300mA	10	-	20	nm
Optical Output Power *2	Po.	I_F=300mA	-	900	-	mW

*1 Measurement error is ±2nm *2 Measurement error is ±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 a heat sink.
The humidity environment of products should be maintained 40~75%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.

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

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