

UVC LED: SANP-1

Features

Deep ultraviolet LED device with 275nm ultraviolet light
3535 high thermal conductivity aluminum nitride ceramic bracket
Packaging materials such as quartz glass lens and lead-free solder
High reliability, low thermal resistance, adjustable luminous angle, etc.



Applications

Disinfection
Medical phototherapy
Optical sensor
Bioanalysis/Detection

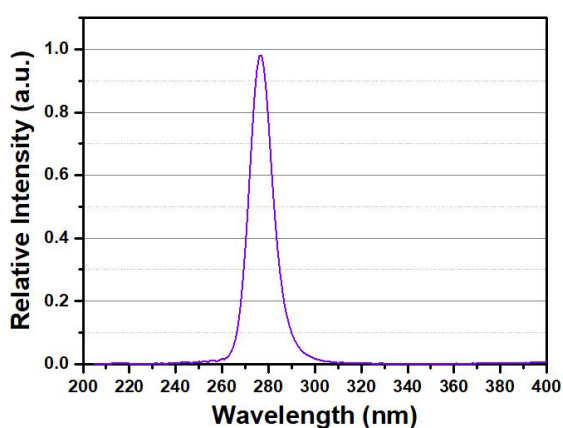
Specifications

Parameter	Symbol	Value	Unit
Spectral characteristics (Ta=25°C , RH=30%)			
Wavelength of peak responsivity	λ_p	(270,280]	nm
Optical power (@80mA)	Φ_e	6-8	mW
Drive voltage	V_f	5-7	V
Half wave width	$\Delta\lambda$	11±2	nm
Light angle	2 Θ 1/2	120	deg.
Antistatic	HBM	>8	KV
Maximum ratings(Ta=25°C , RH=30%)			
Operation temperature range	T_{opr}	-30~60	°C
Storage temperature range	T_{stor}	-40~100	°C
Thermal resistance	R_{js}	15	K/W

Remarks:

- [1] Optical power refers to the total optical output power collected by the integrating sphere;
- [2] Thermal resistance refers to the total thermal resistance from the active area of the chip to the patch solder.

Spectral response



Typical I-V curve

