

SiC系列紫外探测器 LD-S275-900T

UVA Sensor: LD-S275-900T

Features	SiC based material
	Broad band UVA+UVB+UVC photodiode
	Photovoltaic mode operation
	TO-46 metal housing
	Good visible blindness
	High responsivity and low dark current

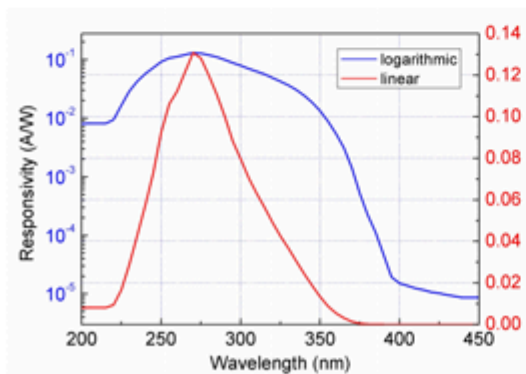


Applications	UV index monitoring
	UV radiation dose measurement
	Flame detection

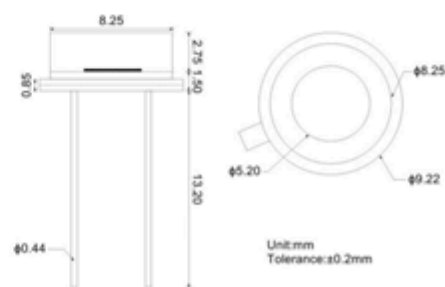
Specifications

Parameter	Symbol	Value	Unit
Spectral characteristics (25 °C)			
Wavelength of peak responsivity	λ_{\max}	275	nm
Peak responsivity (at 275 nm)	R_{\max}	0.13	A/W
Spectral response range	-	200~380	nm
UV/visible rejection ratio ($R_{\max}/R_{400\text{ nm}}$)	VB	$>10^4$	-
General characteristics (25 °C)			
Chip size	A	9	mm ²
Dark current (1 V reverse bias)	I_d	<50	pA
Capacitance (at 0 V and 1 MHz)	C	/	pF
Temperature coefficient	T_c	-0.1	%/°C
Maximum ratings			
Operation temperature range	T_{opt}	-40~125	°C
Storage temperature range	T_{stor}	-40~125	°C
Soldering temperature (3 s)	T_{sold}	260	°C
Reverse voltage	$V_{R\max}$	20	V

Spectral response



Package dimensions



*Caution: ESD can damage the device hence please avoid ESD.