

UV275S1N1

Features

AlGaIn based material
UVC photodiode
TO46 package
Good solar blindness
High responsivity and low dark current

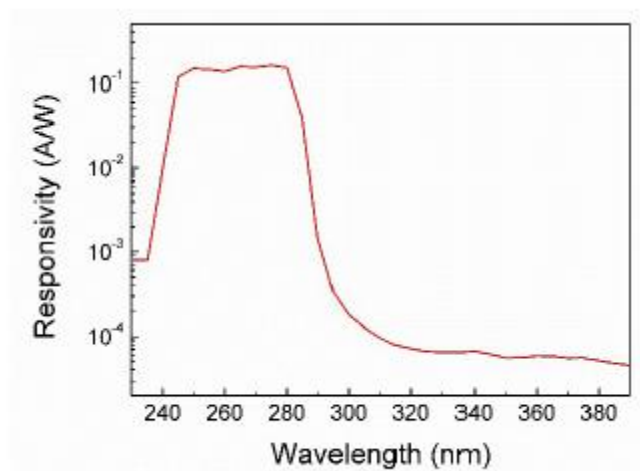
Applications

Ozone monitoring
UV radiation dose measurement
Flame detection

Specifications

Parameter	Symbol	Value	Unit
Wavelength of peak responsivity	λ_{max}	275	nm
Peak responsivity (at 275nm)	Rmax	0.12	A/W
Spectral response range		240~280	nm
UV/visible rejection ratio (Rmax/R400 nm)	VB	$>10^3$	
Chip size	A	1	mm ²
Dark current (1 V reverse bias)	I _d	<1	nA
Capacitance (at 0 V and 1 MHz)	C	8.6	pF
Temperature coefficient	T _c	-0.1	%/°C
Operation temperature range	T _{opt}	-10~60	°C
Storage temperature range	T _{stor}	-40~85	°C
Soldering temperature (3 s)	T _{sold}	260	°C
Reverse voltage	V _{Rmax}	10	V

Spectral response



Package dimensions

