

GaN-based UV photodiode

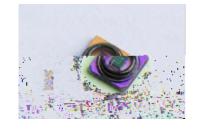
Model GS-ABC-3535LI

General Features:

- UVA+UVB+UVC photodiode
- Photovoltaic mode operation
- SMD 3535 ceramic inorganic package
- Good visible blindness
- High responsivity and low dark current

Applications: air purification, water quality measurement

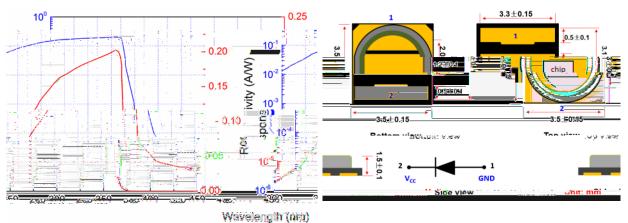




Parameters	Symbol	Value	Unit
Maximum ratings			
Operation temperature range	T_{opt}	-25-85	°C
Storage temperature range	T _{sto}	-40-85	°C
Soldering temperature (3 s)	T _{sol}	260	°C
Reverse voltage	V_{r-max}	-10	V
General characteristics (25 °C)			
Chip size	Α	1	mm²
Dark current (V _r = -1 V)	I _d	<1	nA
Temperature coefficient (@265 nm)	T _c	0.05	%/°C
Capacitance (at 0 V and 1 MHz)	Cp	18	pF
Spectral response characteristics (25 °C)			
Wavelength of peak responsivity	р	355	nm
Peak responsivity (at 355 nm)	R _{max}	0.20	A/W
Spectral response range (R=0.1×R _{max})	-	210-370	nm
UV-visible rejection ratio (R _{max} /R _{400 nm})	-	>10 ⁴	-

Spectral response

Package dimensions



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