UVC photodiode

Model GT-UVC-L

General Features:

- Selective response to UVC band
- Photovoltaic mode operation
- TO-46 metal housing
- Good solar blindness
- High responsivity and low dark current

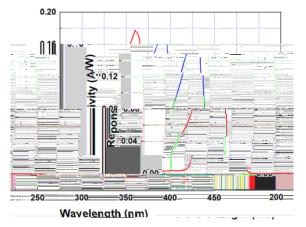


Applications: UV sterilizing lamp monitoring, UV radiation dose measurement, flame detection

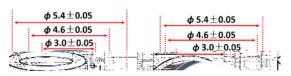
Specifications:

Parameters	Symbol	Value	Unit
Maximum ratings			
Operation temperature range	T _{opt}	-25-85	°C
Storage temperature range	T _{sto}	-40-80	°C
Soldering temperature (3 s)	T _{sol}	260	°C
Reverse voltage	V _{r-max}	-10	V
General characteristics (25 °C)			
Chip size	А	1	mm ²
Dark current (V _r = -1 V)	l _d	<1	nA
Temperature coefficient (@265 nm)	Tc	0.05	%/°C
Capacitance (at 0 V and 1 MHz)	Cp	18	pF
Spectral response characteristics (25 °C)			
Wavelength of peak responsivity	р	285	nm
Peak responsivity (at 285 nm)	R _{max}	0.178	A/W
Spectral response range (R=0.1×R _{max})	-	225-290	nm
UV-visible rejection ratio (R _{max} /R _{400 nm})	-	>104	-

Spectral response



Package dimensions

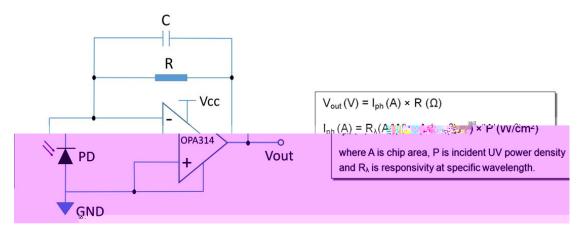




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Application circuit:



Evaluation circuit board:

А

