


InGaAs PIN Photodetectors

Wavespectrum Laser Inc.

<p>Features:</p> <ul style="list-style-type: none"> • Low noise, • Low dark current • Low terminal capacitance • Standard TO package, • Coaxial packages available • Receptacle packages available 	
<p>Applications:</p> <ul style="list-style-type: none"> • NIR photometry • Optical communication 	

Absolute Maximum Ratings

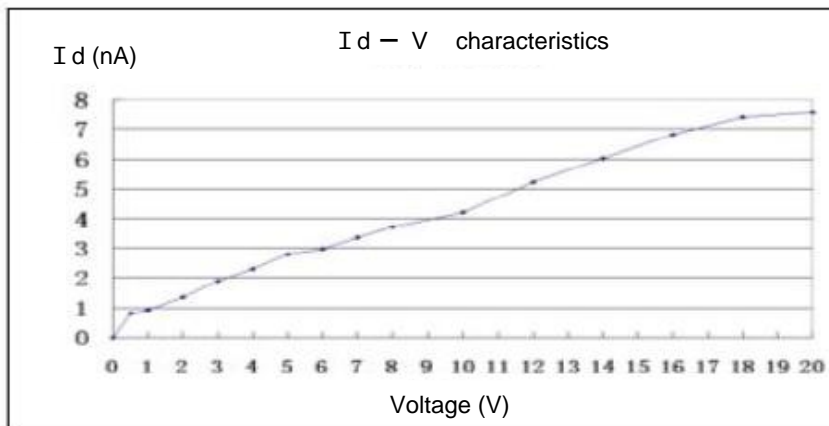
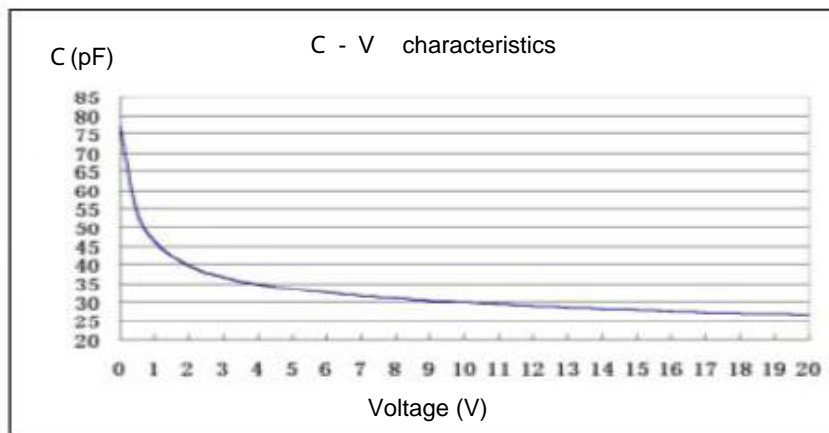
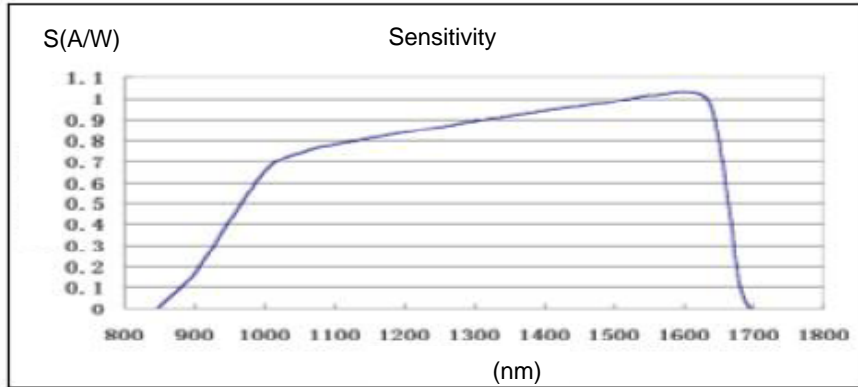
PARAMETER	SYMBOL	VALUE	UNIT
Operating Temperature	T_{op}	-40~+85	°C
Storage Temperature	T_{stg}	-40 ~ +125	°C
Reverse Voltage	V_r	30	V
Lead Soldering Temperature(10 sec.)	T_{is}	260	°C

Detailed specification

Specifications	Testing condition	WSPD-IGA-55-1	Unit
Sensitive Area	----	Dia 55	μm
Responsibility	=1310nm	≥ 0.85	A/W
	=1550nm	≥ 0.90	
Response Spectrum	-----	850~1700	nm
Dark Current (Typical)	$V_r=5V$	≤ 0.4	nA
Capacitance	$V_r=5V$	0.3	PF
Rise / Fall time	$V_r=5V$	0.20	ns
Bandwidth	3dB	2.5	GHz
Saturation power(Typical)	$V_r=5V$	≥ 2	mW



Test Data:



Package size

