


## InGaAs PIN Photodetectors

Wavespectrum Laser Inc.

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

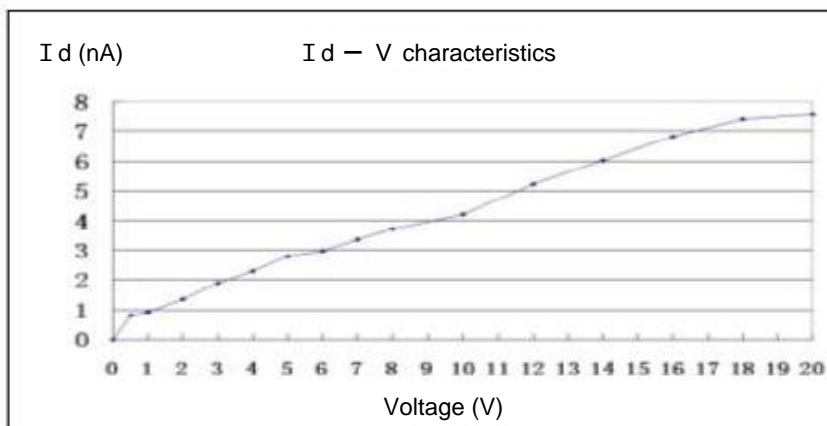
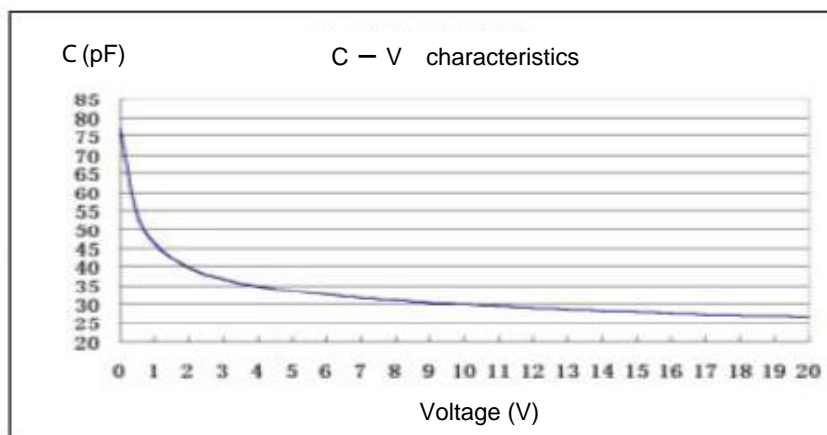
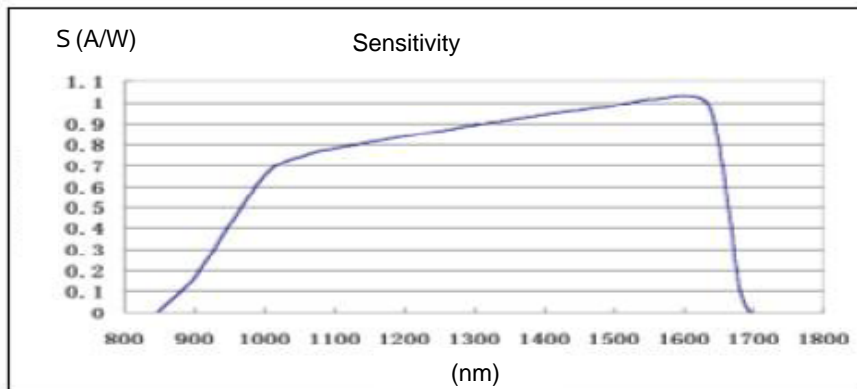
PARAMETER	SYMBOL	VALUE	UNIT
Operating Temperature	$T_{op}$	-40~+85	°C
Storage Temperature	$T_{stg}$	-40 ~ +125	°C
Reverse Voltage	$V_r$	30	V
Lead Soldering Temperature(10 sec.)	$T_{is}$	260	°C

### Detailed specification

Specifications	Testing condition	WSPD-IGA-75-1	Unit
Sensitive Area	----	Dia 55	$\mu\text{m}$
Responsibility	=1310nm	$\geq 0.85$	A/W
	=1550nm	$\geq 0.90$	
Response Spectrum	-----	850~1700	nm
Dark Current (Typical)	$V_r=5V$	$\leq 0.6$	nA
Capacitance	$V_r=5V$	0.7	PF
Rise / Fall time	$V_r=5V$	0.30	ns
Bandwidth	3dB	1.5	GHz
Saturation power(Typical)	$V_r=5V$	$\geq 2$	mW



Test Data:



### Package size

