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ROF-APR series APD Photodetector



The high sensitivity Photodetector is mainly composed of ROF-APR series APD Photodetector (APD photoelectric detection module) and HSP low speed high sensitivity module, which has high sensitivity and wide spectral response range and can provide different sizes of packages according to customer requirements.

**product feature:**

Spectral range: 850-1650nm, 400-1000nm

Response frequency up to 1GHz

Low noise

High-gain fiber

Spatially coupled input is optional

**Application:**

Optical fiber sensing

Biomedical device

Fiber optic gyroscope

Spectral analysis



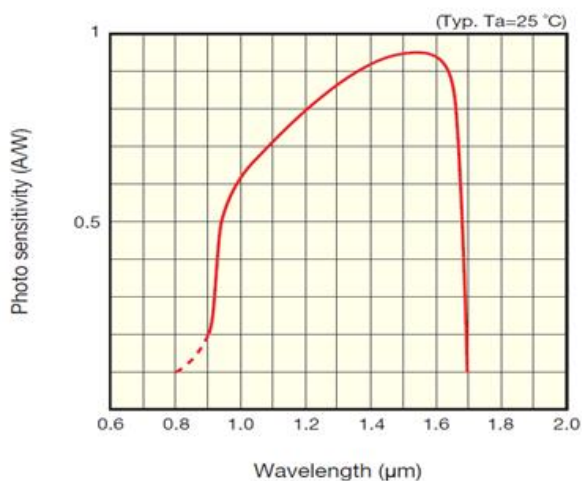
**performance parameters:**

Model	Wavelength range	3dB bandwidth	Photosensitive surface	Gain V/W	Input flange	Output connector	Power supply	
ROF-APR-1G	1100-1700nm	100K-1GHz	50μm	6k	FC or Free-space	SMA	DC±15V	
	400-1000nm		200μm	18k				
ROF-APR-500M	1100-1700nm	DC-	75μm	1.6*10 <sup>4</sup>				
	400-1000nm	500M	200μm	40k				
ROF-APR-200M	1100-1700nm	DC-	75μm	1.8*10 <sup>5</sup>				
	400-1000nm	200M	1.5μm	400k				
ROF-HSP-PF-60	1100-1650nm	DC-30M	50μm	6*10 <sup>4</sup>			FC	DC+5V
ROF-HSP-PF-800	1100-1650nm	DC-10M	50μm	8*10 <sup>5</sup>				
ROF-HSP-PF-1200	1100-1650nm	DC-4M	50μm	1.2*10 <sup>6</sup>				
ROF-HSP-100	800-1700nm	DC-100	1mm	0.8*10 <sup>9</sup>	FC or Free-space			
	400-1000nm	DC-100K	3mm	0.4*10 <sup>9</sup>				

\*please contact our seller if you have special requirements

**Limit conditions:**

parameter	symbol	unit	Minimum value	Typical value	Maximum value
Input optical power	Pin	mW			10
Operating Voltage	Vop	V	±13.5	±15	±16.5
Operating temperature	Top	°C	-10		60
Storage temperature	Tst	°C	-40		85
humidity	RH	%	5		90



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