



## High Sensitivity Avalanche Photodiode

### Features

- Spectral range : A:850-1650nm, B:400-1000nm
- Response frequency up to 1GHz
- Low noise and high gain
- Optical fiber space coupling input optional



Model	Wavelength range	3dB bandwidth	Photosensitive surface	Gain V/W	Sensitivity	Output connector
APR-1G	800-1700nm	DC-1GHz	50 $\mu$ m	$8 \times 10^3$	-33dBm	SMA(f)
	400-1000nm		200 $\mu$ m	$1 \times 10^4$	-36dBm	
APR-500M	800-1700nm	DC-500MHz	75 $\mu$ m	$1.8 \times 10^4$	-35 dBm	
	400-1000nm		200 $\mu$ m	$4.2 \times 10^4$	-38 dBm	
APR-200M	800-1700nm	DC-200MHz	300 $\mu$ m	$1.1 \times 10^5$	-42 dBm	
	400-1000nm		1.5mm	$5.5 \times 10^5$	-45 dBm	

## Ultra-high Sensitivity Photodiode

Model	Wavelength range	3dB bandwidth	Photosensitive surface	Gain V/W	Sensitivity	Output connector
HSP-100	800-1700nm	DC-100Hz	1mm	$0.8 \times 10^9$	-80dBm	SMA(f)
	400-1000nm	DC-100Hz	3mm	$0.4 \times 10^9$	-83dBm	
HSP-PF-60	1100-1650nm	DC-30MHz	50 $\mu$ m	$6 \times 10^4$	-50 dBm	
HSP-PF-800	1100-1650nm	DC-10MHz	50 $\mu$ m	$8 \times 10^5$	-54 dBm	