



Low Noise PIN Photoreceiver

Features

- Spectral range : Si:320-1000nm, InGaSn850-1650nm
- 3dB bandwidth: ~500MHz
- Low noise
- Optical fiber and free space coupling optional

Applications

- Weak light signal detection
- Heterodyne detection



Model	Wavelength range	3dB bandwidth	Photosensitive surface	Gain V/W	NEP pw/Hz ^{1/2}	Output connector
PR-200K	800-1700nm	DC-200KHz	1mm	1×10^7	0.9	SMA(f)
	300-1100nm		3mm	5×10^6	1.8	
PR-10M	800-1700nm	DC-10MHz	1mm	2×10^5	1.5	
	300-1100nm		3mm	1×10^5	5	
PR-200M	800-1700nm	DC-200MHz	300μm	1.4×10^4	10	
	300-1100nm		800μm	7×10^3	20	
PR-500M	800-1700nm	DC-500MHz	300μm	5×10^3	18	
	300-1100nm		800μm	2.5×10^3	36	
PR-1G	800-1700nm	DC-1GHz	75μm	1×10^3	25	
	300-1100nm		100μm	500	50	



High Sensitivity Avalanche Photodetector

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	50μm	8×10^3	-33dBm	SMA(f)
	400-1000nm		200μm	1×10^4	-36dBm	
APR-500M	800-1700nm	DC-500MHz	75μm	1.8×10^4	-35 dBm	
	400-1000nm		200μm	4.2×10^4	-38 dBm	
APR-200M	800-1700nm	DC-200MHz	300μm	1.1×10^5	-42 dBm	
	400-1000nm		1.5mm	5.5×10^5	-45 dBm	

Ultra-high Sensitivity Photodetector

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



High Speed PIN Photodetector

Features

- Spectral range: 850~1650nm
- 3dB bandwidth up to 10GHz
- Optical fiber coupling output
- DC/AC coupling
- With trans-impedance amplifier (TIA)

Applications

- High-speed optical pulse detection
- High-speed optical communication
- Microwave link
- Brillouin optical fiber sensing system



Parameters

Model	Wavelength range	3dB bandwidth	Gain V/W	Output connector
PD-50G-A	1480-1620nm	50GHz	20	V
PD-20G-A	1100-1650nm	18GHz	40	K
PD-10G-A	950-1650nm	10GHz	40	SMA
PD-1G-A	850-1700nm	1GHz	50	
PD-1G-B	320-1100nm		20	
PT-40G-A	1200-1650nm	38GHz	140	V
PT-20G-A	1100-1650nm	20GHz	160	K
PT-10G-A	1100-1650nm	10GHz	500	SMA



Balanced photodetector

Features

- Spectral range: 320-1000、850-1650nm
- 3dB bandwidth: 80MHz , 200MHz, 40G
- Low noise and high gain
- DC 15V power supply

Applications

- Heterodyne detection
- Optical delay measurement
- Optical fiber sensing system



Parameters

Model	Wavelength range	3dB bandwidth	Sensitivity dBm	Gain V/W	CMRR dB	Output connector
BPD-40G-A	1480-1620nm	40GHz	-6	20	-	V
BPR-40G-A	1480-1620nm	37GHz	-10	1200		
BPR-20G-A	1064-1650nm	20GHz	-15	2800		K
BPR-350M-A	850-1700nm	350MHz	-27	4000	> 25	SMA(f)
BPR-350M-A	320-1100nm		-30	2000		
BPR-200M-A	850-1700nm	200MHz	-33	1.4×10^4		
BPR-200M-B	320-1100nm		-30	7×10^3		
BPR-80M-A	850-1700nm	80MHz	-38	8×10^4		
BPR-80M-B	320-1100nm		-35	4×10^4		



Multi-channel and high Sensitivity Photodetector

Features

- Spectral range : 320-1000, 850-1650nm
- 3dB bandwidth: ~200MHz
- Highly integrated
- 4 Channel, 8 channel, 16channel

Applications

- Weak light signal detection
- Heterodyne detection

