

# 1103 APD (Avalanche Photo Diode)

APD2000

## 400 nm to 1100 nm Si Avalanche Photodiode



USE IN

- Ultra-weak Pulse Optical Detection
- Lidar
- Laser Ranging
- Fiber Optic Sensor, OTDR
- High Resolution Optical Coherence Tomography
- Scientific Analysis and Experiment

Photosurface (μm)	Response Wavelength (nm)	Responsivity (mA/mW)	Rise Time (ns)	Dark Current (pA@V)	Reverse Breakdown Voltage (V@I <sub>d</sub> =10 nA)
Φ230		0.57@M=1, 905 nm	0.3@M=100, RL=50 Ω, 905 nm	0.03@M=100	
Φ500		0.57@M=1, 905 nm	0.5@M=100, RL=50 Ω, 905 nm	0.05@M=100	120 to 200
Φ800	400 to 1100	0.57@M=1, 905 nm	0.7@M=100, RL=50 Ω, 905 nm	0.7@M=100	
Φ500		0.65@M=1, 905 nm 0.37@M=1, 1064 nm	2.5@M=100, RL=50 Ω, 1064 nm	1.2@M=100	220 to 580
Φ800		0.65@M=1, 905 nm 0.37@M=1, 1064 nm	3@M=100, RL=50 Ω, 1064 nm	3@M=100	