

## PD13 AC/DC Independent Output Photodetector

### Overview

The PD13 is a photodetector with independent AC and DC outputs, designed for use with FC-terminated optical cables in optical systems. The device incorporates a photodiode, a transimpedance amplifier, and an RF connector, all housed in an aluminum enclosure. The FC flange facilitates coupling with fiber-optic light sources, while the output uses an SMA connector to minimize size and maximize frequency response.

### Features

- Selectable spectral range
- Independent AC/DC outputs
- Low noise and high gain
- Supports 4/8/16-channel configurations



### Applications

- Detection of weak light signals
- Light source noise testing
- Laser frequency stabilization systems

### 1. 规格

Model	<b>PD13C-100M</b>	
Material	InGaAs	
Wavelength Range	1000-1700nm	
Sensitive Area Diameter	70um	
Input Interface	FC 法兰	
Sensitivity	0.9A/W @1550nm	
<b>AC</b>	Bandwidth <sup>b</sup>	150k-100MHz
	Rise time <sup>b</sup>	3.5ns
	Gain <sup>a</sup>	50kV/W
	Saturation optical power	80uW
	Noise voltage <sup>b</sup>	36mV
	Maximum output amplitude <sup>a</sup>	±4.0V
<b>DC</b>	Bandwidth <sup>b</sup>	DC-150kHz
	Gain <sup>a</sup>	1.0kV/W
	Saturation optical power	5mW
	Maximum output amplitude <sup>a</sup>	5.0V



**Packing List**

NO	Item Name	Quantity	Unit	Notes
1	Photodetector	1	Piece	
2	Power Adapter	1	Piece	12V
3	SMA-to-BNC RF Cable	2	Stick	