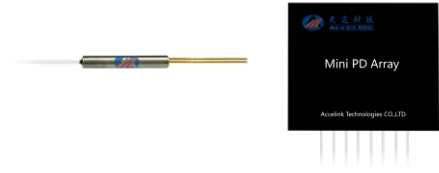


## Coaxial PD/ Coaxial PD Array Module

Coaxial PD is designed for EDFA monitoring, WDM and also for optical fiber communication systems where integrated solutions tend to replace traditional PD. The InGaAs photodiode is hermetic in TO Package, so it offers high reliability. Mini PD array module is multi-channel optical power monitoring device. It features compact size, high responsivity and high return loss etc. The products are Telcordia GR-468-CORE qualified, and RoHS compliant.



### Applications

- EDFA
- Optical line monitoring system
- WDM channel monitoring
- VMUX

### Features

- Ultra compact size
- High responsivity
- Low dark current
- High return loss

### Specifications

Parameter	Unit	Value				Notes
		Coaxial PD		Coaxial PD Array Module		
Type		Common		Mini	Mini	
Diameter of Sensitive Area	μm	75	300	300	300	
Channel					2,4,8	Customer specify
Wavelength	nm	1100~1620		1100~1620	1100~1620	
Responsivity	@1310nm	>0.8		>0.8	>0.8	
	@1550nm	>0.85		>0.85	>0.85	
Dark Current	nA	<1	<1	<1	<1	@ -5v Vr, 25°C
		<5	<10	<10	<10	@ -5v Vr, 70°C
Capacitance	pF	<1	<10	<10	<10	f = 1MHz; Vr = 5V
PD Bandwidth(Cut-off frequency)	MHz	>1000	>300	>300	>300	RL = 50Ω, 5V, -3dB
PDL	dB	<0.2				
Return Loss	dB	>35				
Maximum Input Optical Power(PD)	dBm	10				
Maximum Reverse Voltage Vr	V	15				
Maximum Forward Current	mA	10				
Operating Temperature	°C	-20 ~ +70				
Storage Temperature	°C	-40 ~ +85				
Package	mm	Φ6.2×27.4		Φ3.0×12.2	33×31×6 (8 channels) <sup>1</sup>	

Notes : 1. Changed with channel number.

### Ordering Information

Coaxial PD



Type	Diameter of Sensitive Area	Fiber Type	Fiber Dia.	Fiber Length	Connector	Bracket Style
C: Common type	75: Φ75μm	S: Single mode fiber	025:Φ0.25mm	1:1.0m	00:no connector	H: Horizontal
M:Mini-type	300: Φ300μm		09:Φ0.9mm	customer specify	FC,SC,LC,MU/UPC,APC	00: no bracket

Coaxial PD Array Module



Type	Channel Number	Fiber Type	Fiber Dia.	Fiber Length	Connector
M:Mini-type	2:2 channels 4:4 channels 8:8 channels	S: Single mode fiber	025:Φ0.25mm 09:Φ0.9mm	1:1.0m customer specify	00:no connector FC,SC,LC,MU/UPC,APC