

## InGaAs PIN Pigtail Photodiode

### Features

- Wide Analog Bandwidth
- Wide Spectral Response(1000~1650nm)
- High Quality and Reliability

### Applications

- OADM/OXC/DWDM Power Monitoring
- Gain and Power Monitoring in EDFA
- High Speed Test Systems
- Measurement Instrumentation

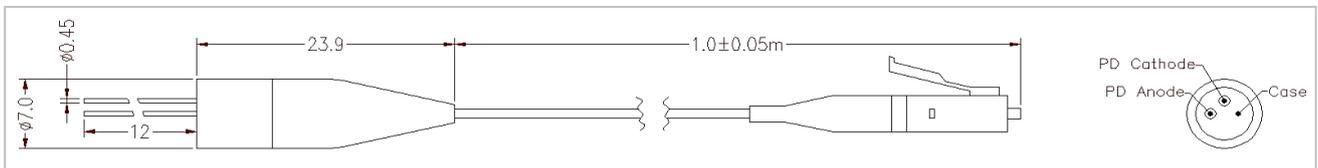
### Specifications

Parameters	Unit	Values
Operation Wavelength	nm	1100~1650
Responsivity	VR=5V, λ=1310nm	mA/mW >0.85 (Typ 0.90)
Responsivity	VR=5V, λ=1550nm	mA/mW >0.90 (Typ 0.95)
Dark Current	nA	≤0.9 (Typ 0.5)
Capacitance (f=1MHz, case grounded VR=5V, Ee=0)	pF	≤1.0 (Typ 0.5)
PD Bandwidth @ RL=50ohm,5V 3dB	MHz	≥2000
Return Loss	dB	≥40
Fiber Type		SMF-28e
Fiber Length	m	1.0±0.05
Fiber Bend Radius	mm	≥15
Reverse Voltage	V	≤20
Input Optical Power	dBm	≤10
Reverse Current	mW	≤10
Forward Current	mW	≤10
Lead Solder Temperature	°C	260
Lead Solder Duration	S	10
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Dimensions	mm	Φ7.0x23.9

\*ESD protection is imperative

\*Dark Current is under condition of 23 °C

### Package Dimension



### Ordering Information

FPD- ①-②②-③-④④④-⑤-⑥-⑦⑦

①	PIN Type	0=InGaAs;
②	Package Size	S1=TO-46;
③	Package Type	1=With Mount Flange; 0=Without Mount Flange; X=Customer Specified;
④	Pigtail Type	250=250um Fiber; 900=900um Loose Tube;
⑤	Fiber Type	1=SMF-28;
⑥	Fiber Length	1= 1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;