Fiber Pigtailed Tap PhotoDiode for Pulse Power

FEATURES

- High Responsivity
- Low Dark Current
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATIONS

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength		nm	1310, 1480, 1550, 1590, 1310&1550
Bandwidth		nm	+/-30
Tap Ratio		%	40dB, 30dB, 1±0.5%, 2±0.6%, 5±1%, 10%, 20%, 30%, 40%, 50%
Excess Loss		dB	≤0.8
Responsivity@tapped power		mA/W	≥750
Return Loss		dB	≥40
Dark Current (V_R=5V, 70°C)	Bandwidth=2G	nA	≤2.5
	Bandwidth=0.5G		≤10
Capacitance (V_R=5V, 1MHz)	Bandwidth=2G	pF	≤1
	Bandwidth=0.5G		≤8
Work Mode	Standard	-	Light from Output Port may goes to PD
	U Type	-	Isolate Light from Output Port to PD
Isolation (Output->PD, Only for U Type)		dB	≥25
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O)
			12/130um DC Fiber (T) or 20/130um DC Fiber (Q)
			25/250um DC Fiber (R) or 25/300um DC Fiber (G)
Max. Optical Power on PD (CW)		mW	10
Max. Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~85
Soldering Temperature		°C	≤260 (<5s, over 2mm from head)
Absolute Max Reverse Voltage		V	20

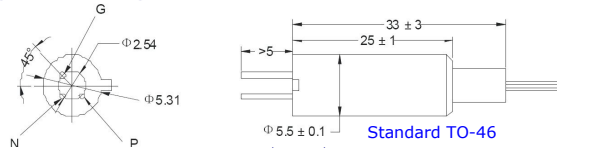
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

PTPD-NNNN - NN NN (C) C -H NN PNN - (C) C NN - CC/CCC

Wavelength	Tap Ratio	Bandwidth	Type	Package	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1550=1550nm	01= 1%	20= 2G	U=U Type	S=Standard	03=300mW	01=100W	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1310=1310nm	05=5%	05=0.5G	*Blank* for Standard	M=Mini-size	1= 1W	1= 1kW	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1590=1590nm	10=10%				5= 5W	5= 5kW	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1315=1310&1550nm	30=30%				10=10W	10=10kW	*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

RoHS Compliant