

2000nm Fiber Pigtailed Tap PhotoDiode for Pulse Power

FEATURES

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

APPLICATIONS

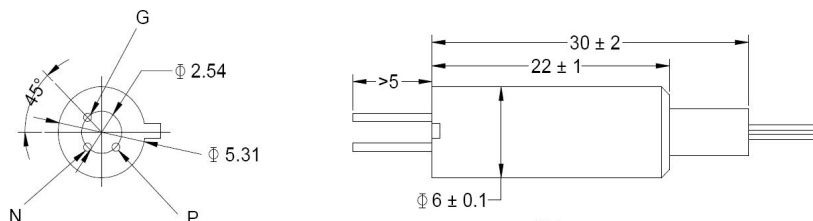
- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1900, 1950, 2000, 2050	
Bandwidth	nm	+/-20	
Tap Ratio	%	40dB, 30dB, 1±0.5%, 2±0.6%, 5±1%, 10%, 20%, 30%, 40%, 50%	
Excess Loss	dB	≤1.0	
Responsivity@tapped power	mA/W	≥800	
Return Loss	dB	≥40	
Rise/Fall Time (R _L =50Ω, 1V)	ns	23	
Bandwidth (R _L =50Ω, 1V)	MHz	15	
Dark Current (1V Bias)	μA	≤75	
Capacitance (1V)	pF	200	
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 SM1950 Fiber (V)
			10/130um DC Fiber (O) or 25/250um DC Fiber (R)
Max. Optical Power on PD (CW)	mW	10	
Max. Average 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	0~50	
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, ER is 2dB Lower, Connector key is aligned to slow axis.
 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)

Wavelength	Tap Ratio	Type	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	01-1%	U-U Type	03-300mW	01-100W	V-SM1950 Fiber	B= Bare fiber	05-0.5m	N=Without Connector
1950-1950nm	05=5%	Blank for Standard	1-1W	1-1kW	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000-2000nm	10=10%		5-5W	5-5kW	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050-2050nm	30=30%		10=10W	10=10kW	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector