2000nm PM Tap Isolator Hybrid for Pulse Power

Features

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

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

Specifications

Parameter		Unit	Single Stage	Dual Stage	H Stage
Center Wavelength		nm	2000		
Bandwidth		nm	+/-20		
Split Ratio		%	0.1:99.9, 1:99, 2:98, 5:95, 10:90, 20:80, 30:70, 40:60, 50:50		
Tap Ratio		-	0.1%, 1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 40%, 50%		
Excess Loss	Max.	dB	1.5	1.8	1.8
Peak Isolation	Typ.	dB	20	40	30
Min. Isolation (23°C)		dB	16	35	25
Extinction Ratio		dB	≥18		
Working Mode	S Type	-	Tap Input Light before Isolator, Can only work in Slow Axis		
	F Type	-	Tap Input Light before Isolator, work in Slow & Fast Axis		
	B Type	-	Tap Input Light after Isolator, Can only work in slow axis		
Optical Return Loss		dB	≥50		
Fiber Type	Thru Port	-	PM1550 Fiber or PM1950 Fiber (V)		
			10/130um PMDC Fiber (O) or 25/400um PMDC Fiber (R)		
	Tap Port	-	Same fiber, Corr. SM Fiber or 105/125um MM Fiber		
Fiber Tensile Load		N	5		
Max. Average Optical Power		W	0.3, 0.5, 1, 2		3, 5, 10
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		
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35 (≤5W); Ø6.0xL50 (5~10W)		See Drawing
	Metal Box	mm	Lx120xW12xH10 (≤10W)		

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

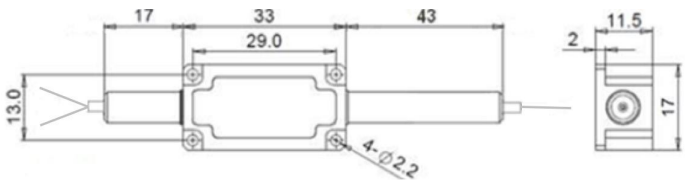
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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.

5. Package size may be different for different optical power, configuration and fiber type.

Package Dimension (H Stage)



Ordering Information (PN)

FPTI-NNNN - C C NN C - HNN PNN - (C) C C NN -CC/CCC

Wavelength	Stage	Type	Split Ratio	Tap Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2000=2000nm	S=Single Stage	S=S Type	01=1/99	Y= Same Fiber	03=300mW	01= 100W	M=Metal Box	2=PM1550Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	D=Dual Stage	F=F Type	10=10/90	S=Corr. SM Fiber	1= 1W	1=1kW	*Blank* for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H=H Stage	B=B Type	30=30/70	A=105/125um Fiber	5= 5W	5=5kW	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			50=50/50		20=20W	20=20kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector