

## 2000nm High Power PM Tap Isolator Hybrid



### FEATURES

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability

### APPLICATIONS

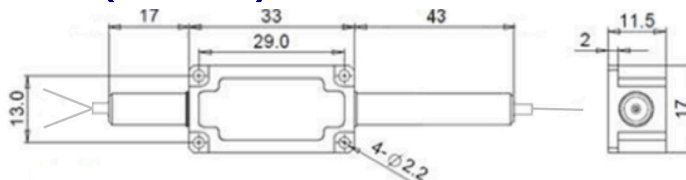
- Optical Amplifier
- Optical Networks
- Power Monitoring
- Lab

### 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
Peak Isolation	Typ.	dB	20	40
Min. Isolation (23°C)		dB	16	35
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	Tap Port	-	Same fiber, Corr. SM Fiber or 105/125um MM Fiber	
	Thru Port	-	PM1550 Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		W	1, 2	3, 5, 10
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
Dimension	Metal Box	mm	(L)120x(W)12x(H)10 (≤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.

### PACKAGE DIMENSION (H STAGE)



### ORDERING INFORMATION (PN)

FPTI-NNNN	- C	C	NN	C	- HP	NN	-(C)	C	C	NN	-CC/CCC
Wavelength	Stage	Type	Split Ratio	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
2000=2000nm	S=Single Stage	S=S Type	01=1/99	Y= Same Fiber	1= 1W	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	5= 5W	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	10=10W	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
			50=50/50		20=20W		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	