

## 1120nm 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
Center Wavelength	nm	1120	
Bandwidth	nm	+/-10	
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	≤2.9
Peak Isolation	Typ.	dB	40
Min. Isolation (23°C)		dB	≥18
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	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
			10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load		N	5
Max. Average Optical Power		mW	300
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	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
Dimension	Metal Box	mm	(L)120x(W)12x(H)10

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - 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.

### ORDERING INFORMATION (PN)

FPTI-NNNN	- C	C	NN	(C)	-H NN	P NN	-(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
1120-1120nm	S=Single Stage	S=S Type	01=1/99	S=Corr. SM Fiber	03=300mW	01=100W	M=Metal Box	2=PM980 Panda Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
	D=Dual Stage	F=F Type	10=10/90	A=105/125um Fiber		1=1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
		B=B Type	30=30/70	Blank for Same Fiber		5=5kW		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
			50=50/50			10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	