

# PM Tap Isolator

## (1030nm)

### Descriptions

The pm tap isolator is characterized with low insertion loss, high isolation, high extinction Ratio, high return loss, excellent environmental stability and reliability.

### Features

- ▶ High Isolation
- ▶ Low Insertion Loss
- ▶ High Return Loss
- ▶ High Extinction Ratio
- ▶ High stability & Reliability

### Applications

- ▶ Fiber Laser
- ▶ Testing Instrument
- ▶ Communication Systems

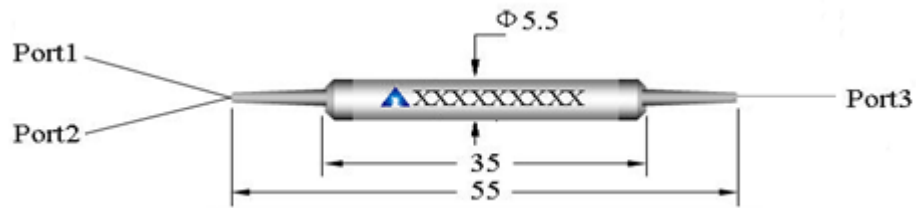


### Specifications

Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Signal Wavelength Range	nm	1030±5	
Max. Signal Insertion Loss (In to Out ) @1030±5nm,23℃	dB	4.2(for 1%), 4.4(for 5%)	7.2( for 1%), 7.4( for 5%)
Max. Signal Insertion Loss (In to Out ) @1030±5nm,0~50℃	dB	4.7(for 1%), 4.9(for 5%)	7.9( for 1%), 8.1( for 5%)
Insertion Loss (Input to Tap) @1030,23℃	dB	23.4~24.2( for 1±0.2 ) 16.62~17.4 ( for 5±1 )	26.4~27.2( for 1±0.2 ) 19.62~20.4 ( for 5±1 )
Max. Excess Loss @1030±5nm,23℃	dB	4.2	7.2
Max. Excess Loss @1030±5nm,0~50℃	dB	4.7	7.9
Typ. Signal Peak Isolation (Output to Input)	dB	35	50
Min. Signal Isolation @1030±5nm,23℃	dB	25	40
Min. Extinction Ratio (only for Fast axis blocked)	dB	22	22
Min. Return Loss (for all ports)	dB	50	50
Max. Optical Power proper polarization (only for input to output)	-	average power 60mW,peak power 330W,pulse duration 6ps,pulse frequency 30MHz,pulse energy 2nJ	
Max. Tensile Load	N	5	
Fiber Type	-	PM 980 Panda Fiber	
Operating Temperature	℃	0 to +50	
Storage Temperature	℃	-40 to +85	

Remark: \* **Fiber with expanded core technology.**

\* The Above specifications is without connector. IL is 0.40dB higher, RL is 5dB lower and ER is 3dB lower for each connector added. The default connector key is aligned to slow, the connector handle power ≤0.5W



## Ordering Information

PMTAPI - A - B - C - D - E - F - G - H - I		
<b>A</b>	Stage	S=Single-core stage, D=Dual-core stage
<b>B</b>	Center Wavelength	1030=1030nm
<b>C</b>	Tap ratio	01=1/99,02=2/98,03=3/97,.....,10=10/90,20=20/80,30=30/70,.....50=50/50,or others
<b>D</b>	Fiber Type	Hi1060,PM980
<b>E</b>	Pigtail Type	BF=Bare Fiber,0.9=0.9mm Tube
<b>F</b>	Axis Alignment	F=Slow axis working, Fast axis blocked
<b>G</b>	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC,SC/APC, FC/UPC, FC/APC,etc
<b>H</b>	Package Size	5..5x35mm or others
<b>I</b>	Fiber length	003=0.3m, 005=0.5m; 010=1.0m 100=10m etc
For example: PMTAPI-S-1030-03-PM980-BF-F-N-5.5x35-010		