

## Polarization Maintaining Tap Isolator

### Features

Low PDL  
 Low Insertion Loss  
 Low Cost

### Applications

Fiber Amplifier  
 Fiber Optic System  
 Fiber Laser

### Specifications

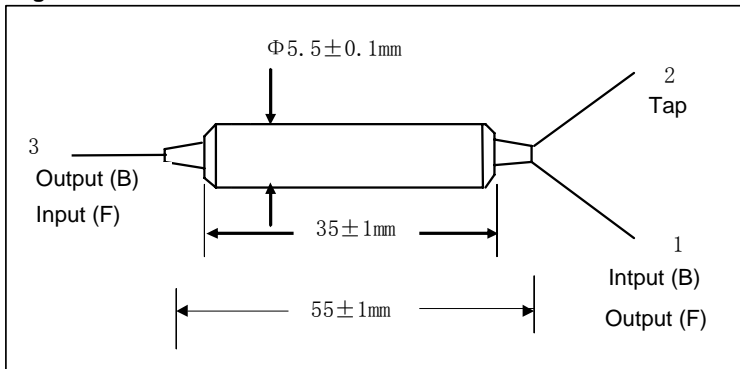
Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Center Wavelength		1310, 1480, 1550, 1590	
Operating Wavelength Range	nm	+/-20	
Max. Excess Loss	dB	0.8	0.9
Tap Ratio (Input to Tap)	%	1+/-0.2, 2+/-0.4, 3+/-0.6, 4+/-0.8, 5+/-1.0, 10+/-2.0	
Typ. Peak Isolation (Output to Input)	dB	40	58
Min. Isolation at 23°C	dB	28	48
Min. Extinction Ratio (only for B Type)	dB	20	20
Min. Extinction Ratio (only for F Type)	dB	23	23
Min. Return Loss (for all ports)	dB	50	50
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Input and Output Ports, SMF-28e Fiber or Panda Fiber for Tap Port	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower.

\*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

### Package Dimensions



### Ordering Information

**PMTAPI-①①-②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦-⑧**

①①: Wavelength

31 - 1310nm

48 - 1480nm

55 - 1550nm

59 - 1590nm

SS - Specify

②: Stage Type

S - Single Stage

D - Dual Stage

③③: Tap Ratio

01 - 1%      04 - 4%

02 - 2%      05 - 5%

03 - 3%      10 - 10%

SS - Specify

④: Axis Alignment

F - Fast Axis Blocked

B - Both Slow and Fast Axis Working

⑤⑤⑤: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

⑦: Fiber Type on Tap

1 - SMF 28e Fiber

2 - PM Panda Fiber

S - Specify

⑧: Fiber Length

0.8 - 0.8 m

S - Specify