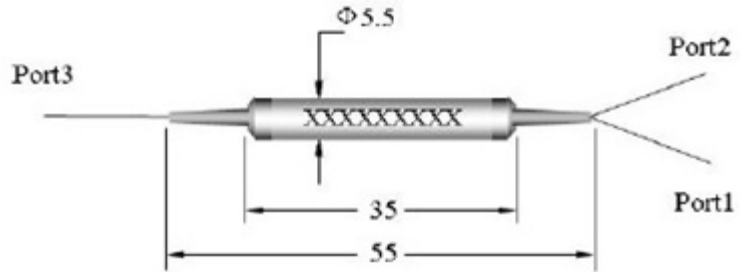




Polarization Maintaining Tap Isolator

The Polarization Maintaining Micro Optics Components are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, high speed communication system and instrumentation applications.



Features

- ◆ High isolation
- ◆ High Extinction Ratio
- ◆ Compact In-Line Package
- ◆ High Stability and Reliability

Applications

- ◆ Fiber Optic Instruments
- ◆ Fiber Sensors
- ◆ Coherent Detecting
- ◆ Research

Performance Specifications

Parameter	Single Stage	Dual Stage
Operating Wavelength	1310,1550	
Bandwidth (nm)	±20	
Coupling Ratio	1%,2%,3%,5%,10%,50%	
Insertion Loss(dB)	IL related to CR	IL related to CR
Excess Lose(dB)	≤0.8	≤0.9
Extinction Ratio (dB)	≥20(Type B) / ≥23(Type F)	≥20(Type B) / ≥23(Type F)
Isolation(dB)	≥28	≥45
Return Loss (dB)	≥50	
Fiber Type	SMF-28 or PM Panda fiber for tap port PM Panda fiber for input & output ports	
Operating temperature ()°C	-5~+70	
Storage temperature ()°C	-40~+85	
Dimension (mm)	Φ5.5×L35	

* "B" for Both axis working, "F" for Fast axis blocking.

* IL is 0.3dB (1310~1550nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added.

* The default connector key is aligned to slow axis.

Order information

PMTAPI-①-②-③③-④-⑤-⑥⑥-⑦⑦-⑧⑧

①	②②	③③	④	⑤	⑥⑥	⑦⑦	⑧⑧
Type	wavelength	Coupling Ratio	Axis Alignment	Fiber Type	Fiber Diameter	Fiber Length	Connector
S:Single stage D: Dual stage	13:1310nm 15:1550nm XX: Others	50:50/50 40:40/60 30:30/70 20:20/80 10:10/90 05:5/95 03:3/97 02:2/98 01:1/99 XX:Others	B:Both axis working F: Fast axis blocking	0:SMF-28 1: Panda fiber X:Others	25:250um 90:900um XX: Others	08:0.8m 10:1.0m XX: Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others