

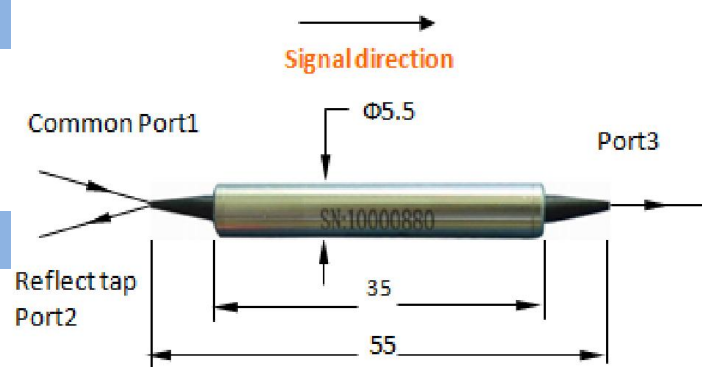
Polarization Maintaining Tap Isolator Hybrid

Product Features

- Low Insertion Loss
- Compact Size
- Fullfill tap and isolator in one package

Product Applications

- Fiber Lasers
- PM EDFA
- Fiber Sensors
- Research



Specifications

Parameter	Unit	Value	
Stage	---	Single stage	Dual stage
Wavelength Range	nm	1310, 1480, 1550 ±20	
Excess Loss	dB	≤0.8	≤0.9
Tap Ratio (input to tap)	%	1 ± 0.2%, 2 ± 0.4%, 4 ± 0.8%, 5 ± 1.0%, 10 ± 2.0%	
Typ. Peak Isolation	dB	40	55
Isolation @ Tr	dB	≥30	≥45
Return Loss	dB	≥50	
Directivity	dB	≥50	
Signal Extinction Ratio	dB	≥22 (F type), ≥20 (B type)	
Thermal Stability	dB/°C	≤0.005	
Power Handling (CW)	mW	≤300	
Tensile Load	N	≤5	
Fiber Type (All 3 ports can be on demand)	-	SMF-28 or PM Panda fiber for tap port PM Panda fiber for input & ouput ports	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

* Above specifications are for devices without connectors

* For devices with connectors, please refer to PM patchcord spec.

* The PM fiber and the connector key are aligned to slow axis.(Default if customer no special request)

Ordering Information

PM TAP I	Wavelength	stage	Coupling ratio	Working axis	Pigtail Type	Fiber Length	Connector	Size
	1310nm 1550nm 1064nm Specify	Single stage Dual stage	1/99 50/50 Specify	Fast axis Blocked Both axis Working Specify	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify	Φ5.5x3 5 mm Specify