



Features

- Input Signal Power Monitoring
- Pump / Signal Multiplexing
- Low Insertion Loss
- Low Cost
- High Extinction Ratio

Applications

- EDFAs
- Fiber Lasers
- Fiber Optical Test Equipment

Specifications

Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Signal Wavelength Range	nm	1530~1565	
Pump Wavelength Range	nm	960~990 or 1460~1490	
Max. Signal Insertion Loss (Input to Output)	dB	1.1(for 1%), 1.2(for 2%), 1.3(for 5%), 1.5(for 10%), 1.2(for 1%), 1.3(for 2%), 1.4(for 5%), 1.6(for 10%), 4.2(for 50%), 4.3(for 50%)	
Max. Pump Insertion Loss (Pump Channel)	dB	0.5	
Signal Tap Ratio(Input to Tap)	%	1+/-0.2, 2+/-0.4, 5+/-1, 10+/-2, 50	
Typ. Signal Peak Isolation (Output to Input)	dB	40	55
Min. Signal Isolation at 23°C; all polarization states	dB	30	48
Min. Directivity (Pump to Tap)	dB	50	
Min Extinction Ratio (Input to Output, only for F-type)	dB	23	
Min Extinction Ratio (Input to Output, only for B-type)	dB	20	
Min. Return Loss (for all ports)	dB	50	
Max. Optical Power CW	mW	300	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Input and Output Ports, SMF-28e Fiber for Tap Port, HI 1060(980nm Pump) or SMF-28e(for 1480nm Pump) Fiber for Pump Port	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

*Above specifications are for device without connector

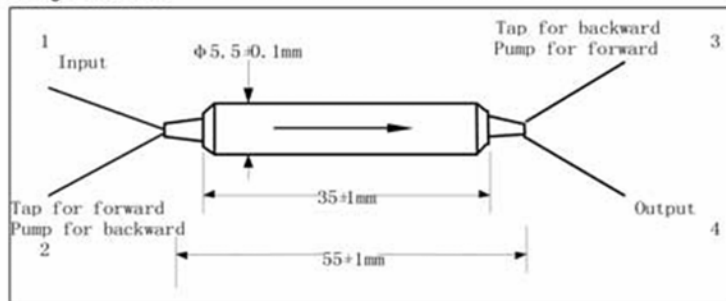
*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower

*The signal path is aligned to slow axis.

*PM fiber can be supplied for pump ports. Please inquire.

*PM 980nm panda fiber can be provided for the common port on 980 nm pump band devices (IL slightly larger); please inquire.

Package Dimensions



Ordering Information

PMTI WDM-①①-②②-③③-④④-⑤⑤⑥⑥⑥⑥-⑦⑦⑦⑦⑦⑦-⑧

①①: Pump Wavelength

- 98 - 980nm
- 48 - 1480nm

⑤: Axis Alignment

- F - Fast Axis Blocked
- B - Both Axis Working

⑧: Fiber Length

- 0.8 - 0.8m
- S - Specify

②: Pump Direction

- F - Forward Pump
- B - Backward Pump (only for Fast Axis Blocked)

⑥⑥⑥⑥: Connector Type on Port 1, 2, 3 & 4

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

③: Stage

- S - Single Stage
- D - Dual Stage

⑦⑦⑦⑦: Fiber Jacket on Port 1, 2, 3 & 4

- B - 250um Bare Fiber
- L - 900um Loose Tube
- S - Specify

④④: Tap Ratio

- 01 - 1%
- 02 - 2%
- 05 - 5%
- 10 - 10%
- 50 - 50%
- SS - Specify