

# PM Tap Isolator WDM Hybrid

## 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

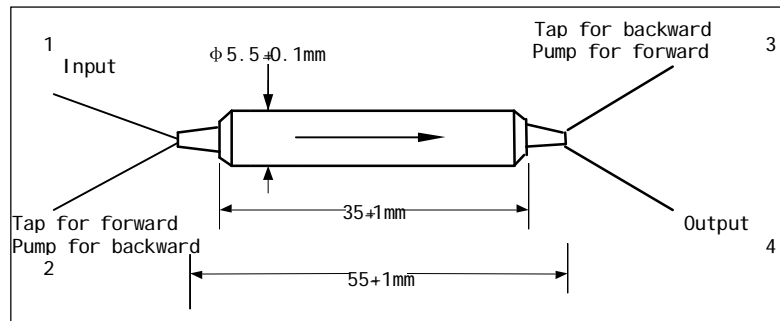
Parameters	Unit	Values
Stage		Single Stage      Dual Stage
Signal Wavelength Range	nm	1530~1565
Pump Wavelength Range	nm	960~990 or 1460~1490
Max. Signal Insertion Loss (Input to Output)	dB	1.1(for 1%), 1.2(for 2%),1.3(for 5%), 1.2(for 1%), 1.3(for 2%),1.4(for 5%), 1.5(for 10%), 4.2(for 50%)      1.6(for 10%), 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, 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.

## Package Dimensions



## Ordering Information

**PMTIWDM-①①-②③-④④-⑤⑥⑥⑥⑥-⑦⑦⑦⑦⑦-⑧**

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)

⑥⑥⑥⑥⑥: 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

④④: Tap Ratio

01 - 1%

02 - 2%

05 - 5%

10 - 10%

50 - 50%

SS - Specify

⑦⑦⑦⑦⑦: Fiber Jacket on Port 1, 2, 3 & 4

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify