

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

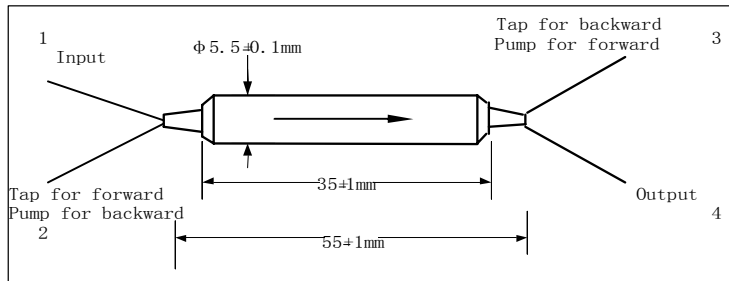
Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Signal Wavelength Range	nm	1530~1565	
Pump Wavelength Range	nm	960~990 or 1460~1490	
Max. Signal Insertion Loss (Input to Output)	dB	1.1(for 1%), 1.2(for 2%),1.3(for 5%), 1.5(for 10%), 4.2(for 50%)	1.2(for 1%), 1.3(for 2%),1.4(for 5%), 1.6(for 10%), 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-①①-②③-④④-⑤⑥⑥⑥⑥-⑦⑦⑦⑦-⑧

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

④④: Tap Ratio

01 - 1%

02 - 2%

05 - 5%

10 - 10%

50 - 50%

SS - Specify

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

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify