



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	
		Single Stage	Dual Stage
Signal Wavelength Range	nm	1530~1565	
Pump Wavelength Range	nm	960~990	
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	dB	0.6	
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	500	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Input and Output Ports, , HI 1060 for Pump	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

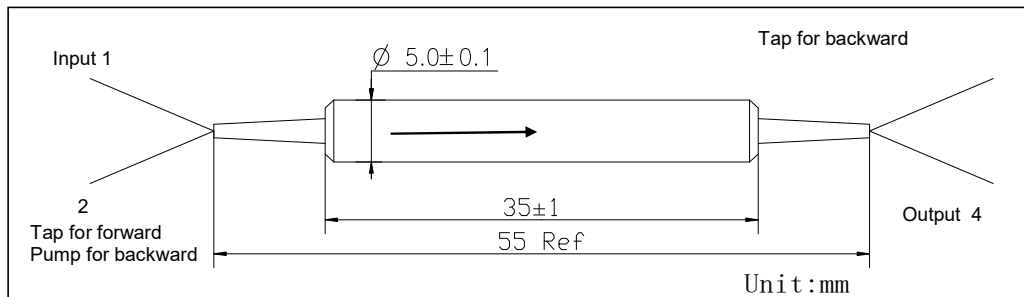
*Above specifications are for device without connector.

*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.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PMTIWD-①①①①-②-③-④④-⑤-⑥-⑦⑦⑦⑦-⑧⑧⑧⑧-⑨-⑩⑩-⑪⑪

①①①①: Signal & Pump Wavelength
 5598 - 1550nm/980nm

⑤: Axis Alignment
 F - Fast Axis Blocked
 B - Both Axis Working

⑨: Fiber Length
 0.8 - 0.8m
 S - Specify

②: Pump Direction
 F - Forward Pump
 B - Backward Pump (only for Fast Axis Blocked)

⑥: Handling Power
 0.5 - 500mW

⑩⑩: Fiber Type
 01A - PM 980 for Pump, PM1550 for Others
 02A - PM 980 for Pump&Input, PM1550 for Others
 03A - Hi 1060 for Pump, PM1550 for Others
 04A - Hi 1060 for Pump, SMF-28e for Tap, PM1550 for Others
 10A - Hi1060 for Pump, PM980 For Common, PM1550 for Others

③: Stage
 S - Single Stage
 D - Dual Stage

⑦⑦⑦⑦: Connector Type on Port 1, 2, 3 & 4
 1A - FC/UPC
 2A - FC/APC
 3D - SC/UPC
 4D - SC/APC
 N - None
 S - Specify

④④: Tap Ratio
 01 - 1%
 02 - 2%
 05 - 5%
 10 - 10%
 50 - 50%
 SS - Specify

⑧⑧⑧⑧: Fiber Jacket on Port 1, 2, 3 & 4
 B - 250um Bare Fiber
 C - 900um Loose Tube(Red)
 D - 900um Loose Tube(Blue)
 F - 900um Loose Tube(White)
 S - Specify

⑪⑪: Package
 01 - Ø5.5x35mm
 05 - Ø5.0x35mm
 08 - 80*12*10