

PM Tap Coupler

O-Net's PM Tap couplers combine thin film filter and PM collimators to splitter input light into 2 outputs at specified ratio while maintaining polarization state. According to the polarization in different port, O-Net's PM Tap Coupler includes the following three types;

- Type 1: PM fibers in port 1 & port 2
- Type 2: PM fibers in port 1 & port 3
- Type 3: PM fibers in all of 3 ports



Features

- Low Insertion Loss
- High Extinction Ratio
- Accurate Tap Ratio
- Wide Bandwidth

Applications

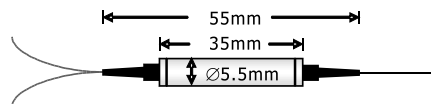
- Test Equipment Fiber optic
- Raman Amplifier
- EDFA

Specifications

Parameter	Type	X of the Tap Ratio in the reflect port									
		1%	2%	5%	10%	20%	30%	40%	50%		
Insertion Loss (dB)	Pass Port	Typ	0.6	0.6	0.8	1.0	1.5	2.1	2.8	3.5	
	Tap Port	Typ	20.7	17.7	13.7	10.7	7.5	5.7	4.7	3.7	
Excess Loss (dB)		Max	21	18	14	11	7.8	6.0	5.0	4.0	
		Max	0.6								
Extinction Ratio (dB)		Min	22								
Return Loss (dB)		Max	55								
Center Wavelength (nm)			1550								
Bandwidth(nm)			±25								
Fiber Length (m)		Min	0.8								
WDL(dB)		Max	0.2								
Power Handling(mw)			500								
Package Size(φ*L)(mm)			5.5*35								
Operation Temperature (°C)			0~70								
Store Temperature (°C)			-40~+85								

The specs are measured at Center Wavelength ± 5nm and 23°C. All values referenced without connector.

Dimension



Order Information

PMTC-A-B-C-D-E

Order Code	Parameter	Value
A	Center wavelength	55:1550nm
B	Type	1: Type 1 2: Type 2 3: Type 3
C	Type Ratio	01:1% 02:2% 05:5% 10:10% 50:50% X: Customized
D	Fiber Type	1-All Ports PM Fiber 2-Non PM Port: 250um SMF-28 Fiber 3-Non PM Port: 250um SMF-28 with 900um loose tube
E	Connector Type	0:without Connector 1:FC/PC 2:FC/UPC 3:FC/APC 4:SC/PC 5:SC/UPC 6:SC/APC 7:ST 8:LC 9:MU X: Customized