



2 μm Polarization Maintaining Tap Coupler (PMTc Series)

Rev 11

The 2 μm Polarization Maintaining Tap Coupler is manufactured by using advanced technology to allow the input signal to be splitted at various ratios with high extinction ratio.

Specifications

Parameter	Unit	Value	
Center Wavelength	nm	2000	
Operating Wavelength Range	nm	$\lambda_c \pm 40$	
Configuration		1 \times 2	2 \times 2
Max. Excess Loss	dB	1.2	1.5
Max. Uniformity (only for 50%)	dB	0.6	0.8
Tap Ratio	%	1 \pm 0.2%, 2 \pm 0.4%, 4 \pm 0.8%, 5 \pm 1.0%, 10%, 20% and 50%	
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	18	18
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	$^{\circ}\text{C}$	-5 to +70	
Storage Temperature	$^{\circ}\text{C}$	-40 to +85	

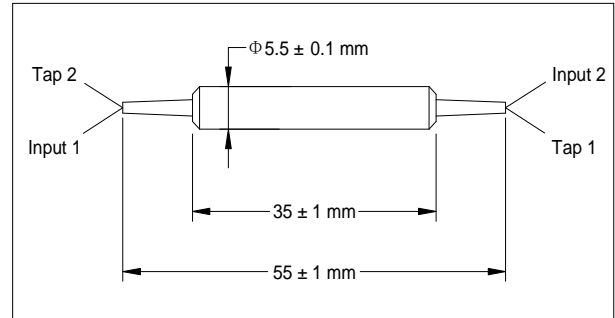
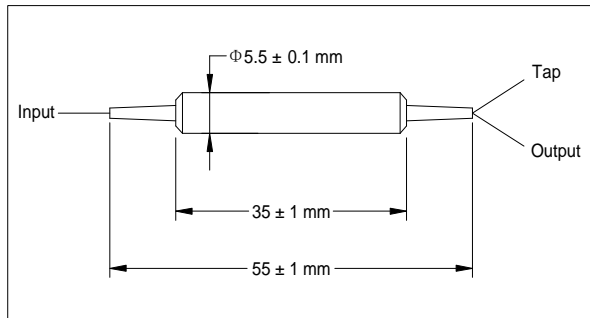
Fiber Type

SMF-28 or PM 1550 Panda fiber for tap port

PM 1550 Panda fiber for input & output ports

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMTc-①①①①-②-③③-④-⑤-⑥-⑦-⑧

①①①①: Wavelength

③③: Coupling Ratio

⑤: Fiber Jacket

⑦: Fiber Length

2000 - 2000 nm

01 - 01/99 10 - 10/90

B - 250 μm Panda fiber

Q - 0.75 m

SSSS - Specify

02 - 02/98 20 - 20/80

L - 900 μm loose tube

S - Specify

04 - 04/96 50 - 50/50

S - Specify

05 - 05/95 SS - Specify

②: Configuration

④: Connector Type

⑥: Fiber Type for Tap Port

⑧: Working Axis

1 - 1 \times 2

1 - FC/UPC 4 - SC/APC

M - SMF-28 fiber

F - Fast axis blocked

2 - 2 \times 2

2 - FC/APC N - None

P - PM 1550 Panda fiber

3 - SC/UPC S - Specify

S - Specify