2 μm Polarization Maintaining Tap Coupler (PMTC Series)

Rev 11

Description

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

Key Features

- Low Insertion Loss

Applications

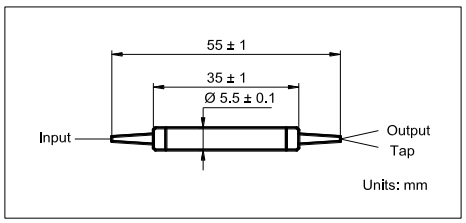
- Fiber Laser
- Fiber Sensing

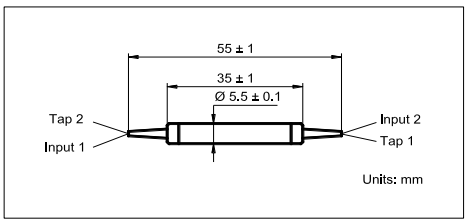
Specifications

Parameter	Unit	Value	
Center Wavelength	nm	2000	
Operating Wavelength Range	nm	λc ± 40	
Configuration	-	1 × 2	2 × 2
Max. Excess Loss	dB	1.2	1.5
Max. Uniformity (only for 50%)	dB	0.6	0.8
Tap Ratio	%	1 ± 0.2, 2 ± 0.4, 4 ± 0.8, 5 ± 1.0, 10, 20 and 50	
Min. Return Loss	dB	50	
Min. Extinction Ratio, 23 ℃	dB	18	18
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	℃	- 5 to + 70	
Storage Temperature	℃	- 40 to + 85	
Fiber Type	-	SMF-28 or PM 1550 Panda Fiber for tap port PM 1550 Panda Fiber for input & output ports	

[1]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

2000 - 2000 nm

SSSS - Specify

②: Configuration

1 - 1 × 2

2 - 2 × 2

③③: Coupling Ratio

01 - 01/99

02 - 02/98

04 - 04/96

05 - 05/95

10 - 10/90

20 - 20/80

50 - 50/50

SS - Specify

④: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤: Fiber Jacket	⑥: Fiber Type For Tap Port	⑦: Fiber Length	⑧: Working Axis
B - 250 μm Bare Fiber	M - SMF-28 Fiber	Q - 0.75 m	F - Fast Axis Blocked
L - 900 μm Loose Tube	P - PM 1550 Panda Fiber	S - Specify	
S - Specify	S - Specify		