1064 nm Polarization Maintaining Tap Coupler (PMTC Series)

Rev 11

Description

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

Key Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

Applications

- EDFA
- Fiber Sensing
- Fiber Optic Instruments

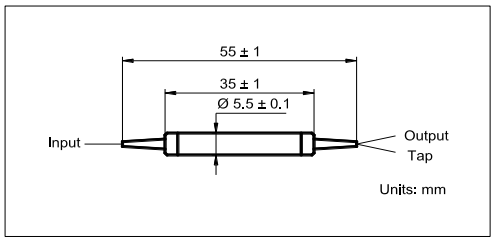
Specifications

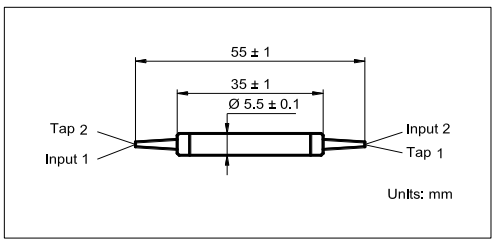
Parameter	Unit	Value	
Center Wavelength (λc)	nm	1064	
Operating Wavelength Range	nm	λc ± 20	
Configuration	-	1 × 2	2 × 2
Max. Excess Loss	dB	0.7	1.1
Max. Uniformity (only for 50%)	dB	0.6	0.8
Tap Ratio	%	1 ± 0.2, 2 ± 0.4, 5 ± 1.0, 10, and 50	
Min. Return Loss	dB	50	
Min. Extinction Ratio, 23 ℃	dB	20	
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	-	HI 1060 or PM 980 Panda Fiber for tap port	
	-	PM 980 Panda Fiber for input & output ports	
Operating Temperature	℃	- 5 to + 70	
Storage Temperature	℃	- 40 to + 85	

[1]IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

[2]E.L. will be 0.2 dB higher if tap port is HI 1060 Fiber.

Package Dimensions





Ordering Information

PMTC-①①-②-③③-④-⑤-⑥-⑦-⑧

①①: Wavelength
06 - 1064 nm
SS - Specify

②: Configuration
1 - 1 x 2
2 - 2 x 2

③③: Coupling Ratio
01 - 01/99
02 - 02/98
05 - 05/95
10 - 10/90
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	H - HI 1060 Fiber	Q - 0.75 m	F - Fast Axis Blocked
L - 900 μm Loose Tube	P - PM 980 Panda Fiber	S - Specify	
	S - Specify		