

## Polarization Maintaining Fiber Filter Tap Coupler

Model #: PMTC

Description: Polarization Maintaining Fiber Filter Coupler

Application: Fiber amplifier, fiber laser, fiber sensor

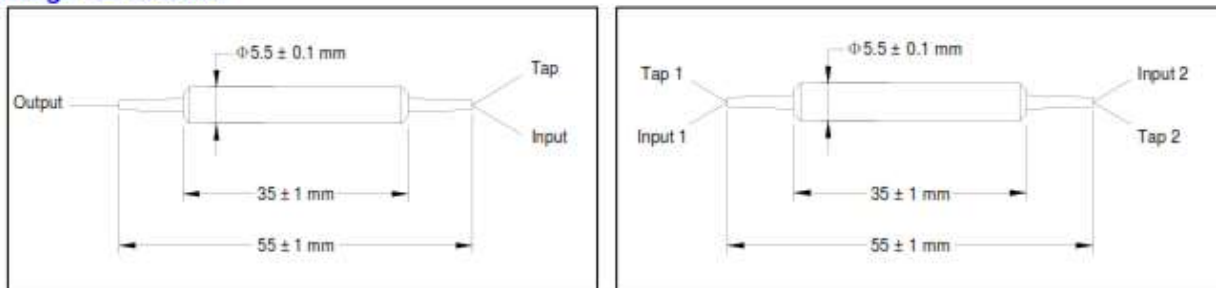
Specifications:

Parameter	Unit	Specifications			
Wavelength Range	nm	1550 or 1310 ± 40		1064 ± 20	
Configuration		1 x 2	2x 2	1 x 2	2x 2
Max. Excess Loss	dB	0.7	1.1	0.7	1.1
Tap Ratio*	%	1±0.2, 2±0.4, 5±1.0, 10, or 50			
Max. Uniformity (50/50 coupler only)	dB	0.6	0.8	0.6	0.8
Min. Return Loss	dB	50			
Min. Polarization Extinction Ratio	dB	20			
Max. Optical Power	mW	300			
Max. Tensile Load	N	5			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to + 85			
Dimension (mm)		5 (D) x 35 (L)			
Fiber Type		SMF-28 or PM Panda fiber for tap port		HI 1060 or PM 980 fiber for tap port	
		PM Panda fiber for input and output ports		PM 980 fiber for input and output ports	

\* Customized ratios are acceptable;

Note: each connector may contribute extra 0.3 (or 0.5 for 1064 nm) dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.

### Package Dimensions



### Ordering Information:

PMTC-AA-B-CC-D-E-F-G-H

AA: wavelength	B: configuration	CC: coupling ratio	D: connector type	E: fiber jacket	F: fiber type for tap port	G: fiber length	H: polarization orientation
06 – 1064 nm	1 - 1x2	01 - 1/99	1 - FC/UPC	B - 250µm Panda fiber	M - SMF28 fiber (for 1310/1550 nm)	Q-0.75m	F - fast axis blocked
31 – 1310 nm	2 - 2x2	02 - 2/98	2 - FC/APC	L - 900 µm loss tube	H - HI 1060 (for 1064 nm)	X-other	
55 – 1550 nm		05 – 5/95	3 - SC/UPC	X - other	P-Panda fiber		
XX - other		10 - 10/90	4 - SC/APC		X-other		
		50 - 50/50	N - none				
		XX - other	XX - other				