



Polarization Maintaining Filter Coupler (PMFC Series)

Rev 10

The PMFC series is manufactured by using advanced technology to allow the input signal to be splitted at various ratios with high extinction ratio. It supports both polarizations.

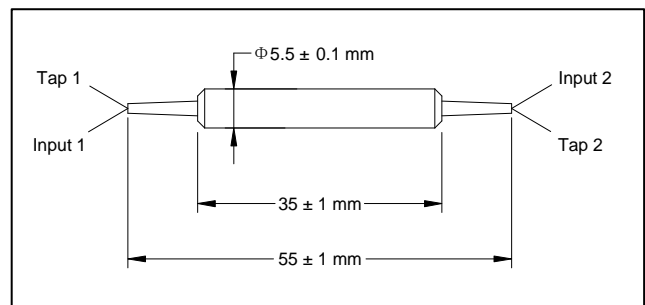
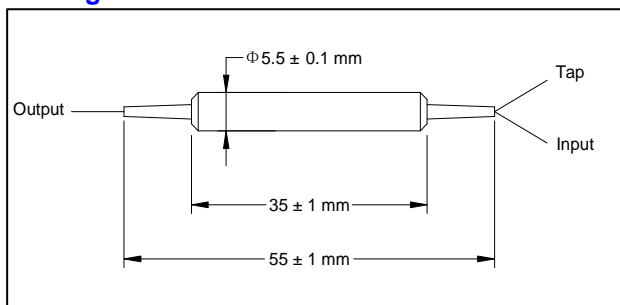
Specifications

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1310 or 1550	
Operating Wavelength Range	nm	$\lambda_c \pm 40$	
Configuration		1 x 2	2 x 2
Max. Excess Loss	dB	0.7	1.0
Max. Uniformity	dB	0.6	0.8
Tap Ratio	%	1 \pm 0.2%, 5 \pm 1.0%, 10%, and 50%	
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	20	18
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	$^{\circ}$ C	-5 to +70	
Storage Temperature	$^{\circ}$ C	-40 to +85	

Fiber Type SMF-28 or PM Panda fiber for tap port
PM 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

PMFC-①①-②-③③-④-⑤-⑥-⑦-B

①①: Wavelength	③③: Coupling Ratio	④: Connector Type	⑥: Fiber Type for Tap Port
31 - 1310 nm	01 - 1/99	1 - FC/UPC	M - SMF-28
55 - 1550 nm	05 - 5/95	2 - FC/APC	(for 1 x 2 only, AFR standard product)
SS - Specify	10 - 10/90	3 - SC/UPC	P - Panda fiber
	50 - 50/50	4 - SC/APC	S - Specify
	SS - Specify	N - None	
②: Configuration	⑤: Fiber Type	⑦: Fiber Length	
1 - 1 x 2	B - 250 μ m Panda fiber	Q - 0.75 m	
2 - 2 x 2	L - 900 μ m loose tube	S - Specify	
	S - Specify		