

Polarization Maintaining Filter Coupler (1x2,2x2)

780, 850, 980, 1030,1064nm

Features	Applications
<ul style="list-style-type: none"> ● Low Insertion Loss ● High Return Loss ● High Extinction Ratio 	<ul style="list-style-type: none"> ● EDFA & Roman Amplifier ● Fiber Sensor ● Fiber Optical Instrument

Specifications

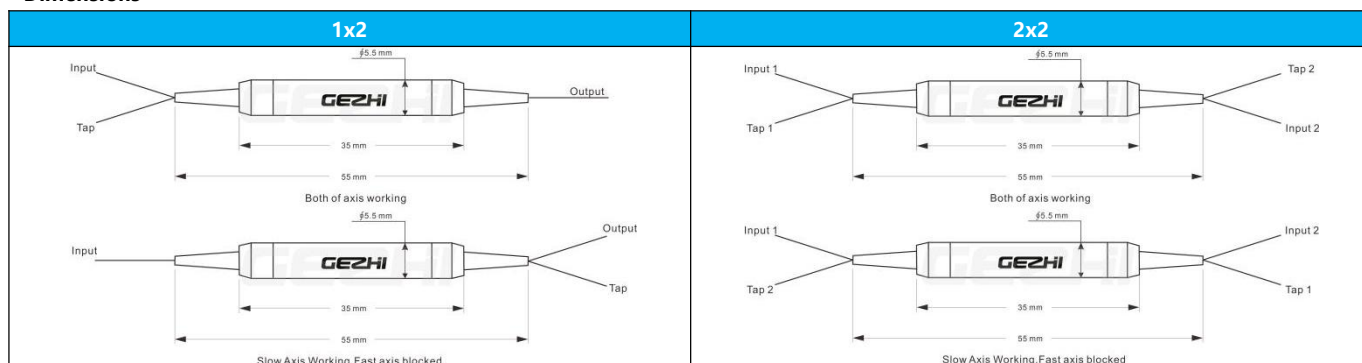
Parameters	Unit	Values				
Type	/	1x2 or 2x2				
Center Wavelength	nm	780	850	980	1030	1064
Operating Wavelength Range	nm	±10	±20	±20	±20	±20
Tap Coupling Ratio	%	1±0.5%, 5±1.0%, 10±2.0%, and 50%				
Insertion Loss	dB	IL related to Coupling Ratio				
Excess Loss	dB	1x2:≤0.8 ; 2x2:≤1.2				
Uniformity(Only for 50/50)	dB	1x2:≤0.5 ; 2x2:≤0.8				
Extinction Ratio	dB	1x2:≥20 ; 2x2:≥18				
Return Loss	dB	≥50				
Max Power Handling (CW)	W	0.5, 1, 2 or 5				
Tensile Load	N	≤5				
Operating Temperature	°C	-5~+75				
Storage Temperature	°C	-40~+85				

Note: 1. Customization is available. The connector default slow axis alignment key

Above specifications are for device without connector, If with connector, IL will be 0.3dB higher, return loss will be reduce 5dB and Extinction Ratio will reduce 2dB.

- For >10W high power applications, we will use heat sink package
- If there is pulse application, please be sure to inform us of pulse energy and peak power.

Dimensions



Ordering Information PMFC-XXXX-XX-XX-X-XX-XX-XX-XX-XX

①Wavelength:	780=780nm; 850=850nm; 980=980nm; 1030=1030nm; 1064=1064nm; S=Specify
②Configuration Type:	12=1x2, 22=2x2
③Coupling Ratio:	50=50/50; 40=40/60; 30=30/70; 20=:20/80; 10=10/90; 01=1/99; S=Specify
④Working Axis:	B=Both axis working, F=Slow Axis Working, Fast axis blocked
⑤Fiber Type:	PM780; PM980; S=Specify
⑥Power Handling:	0L=0.5W; 01=1W; 02=2W
⑦Package Dimensions:	S1=5.5x35mm; S=Specify
⑧Pigtail Type:	00=bare fiber; 09=900um loose tube
⑨Fiber Length:	08=0.8m; 10=1m; S=Specify
⑩Connector Type:	FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify