

Polarization Maintaining Fused Coupler (1x2,2x2)

1030nm, 1064nm, 1310nm, 1550nm, 2000nm

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

Specifications

Parameters	Unit	Values							
Type	/	1x2 or 2x2							
Center Wavelength	nm	1030	1064	1310	1550	2000			
Operating Wavelength Range	nm	±20	±20	±20	±20	±15			
Max. Excess Loss	dB	0.5	0.5	0.4	0.4	0.6			
Tap Coupling Ratio	%	1±0.5%, 5±1.0%, 10±2.0%, and 50%							
Insertion Loss	dB	IL related to Coupling Ratio							
Extinction Ratio	dB	1x2:≥20 ; 2x2:≥18							
Return Loss	dB	≥55							
Max Power Handling (CW)	W	0.5, 1, or 3							
Tensile Load	N	≤5							
Operating Temperature	°C	-5~+75							
Storage Temperature	°C	-40~+85							
Package Dimension	mm	φ3x54mm or φ3x60mm							
Coupling Ratio Tolerance	%	1/99	2/98	5/95	10/90	20/80	30/70	40/60	50/50
		±0.5	±0.6	±1.0	±1.5	±2.0	±2.5	±3.0	±3.5

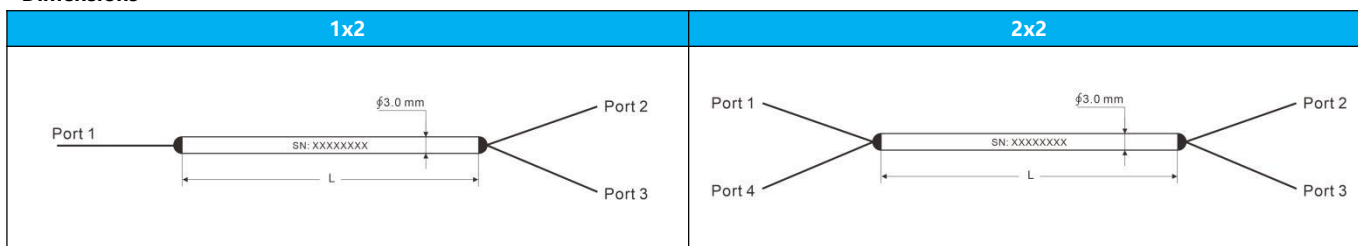
Note: 1. the PM fused coupler is both axis working, no axis can be blocked; default test extinction ratio is on the slow axis.

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.

2. For >10W high power applications, we will use heat sink package

3. If there is pulse application, please be sure to inform us of pulse energy and peak power.

Dimensions



Ordering Information PMFBTC-XXXX-XX-XX-X-XX-XX-XX-XX

①Wavelength:	1030=1030nm; 1064=1064nm; 1310=1310nm; 1550=1550nm; 2000=2000nm; 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
④Fiber Type:	PM980; PM1060; PM1300; PM1550; PM1950; S=Specify
⑤Power Handling:	0L=0.5W; 01=1W; 02=2W
⑥Package Dimensions:	S2=3.0x54mm; S3=3.0x60mm; S=Specify
⑦Pigtail Type:	00=bare fiber; 09=900um loose tube
⑧Fiber Length:	08=0.8m; 10=1m; S=Specify
⑨Connector Type:	FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify