

3x3 Polarization Maintaining Fused Coupler

780nm, 980nm, 1030nm, 1064nm, 1310nm, 1550nm

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

Specifications

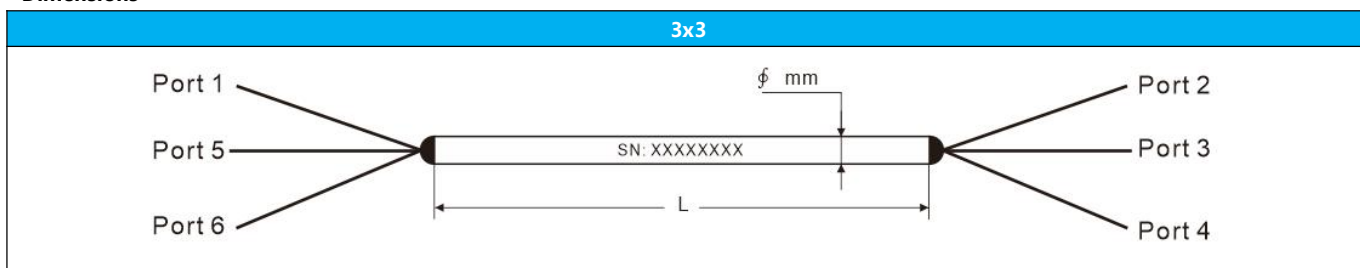
Parameters	Unit	Values					
Type	/	3x3					
Center Wavelength	nm	780	980	1030	1064	1310	1550
Operating Wavelength Range	nm	±10	±10	±10	±10	±10	±10
Max. Excess Loss	dB	1.0	1.0	1.0	1.0	0.8	0.8
Extinction Ratio	dB	≥17	≥17	≥17	≥17	≥17	≥17
Coupling Ratio Tolerance	%	±10					
Coupling Ratio	%	33/33/33					
Return Loss	dB	≥55					
Max Power Handling (CW)	W	0.5, 1, or 2					
Tensile Load	N	≤5					
Operating Temperature	°C	-5~+75					
Storage Temperature	°C	-40~+85					
Package Dimension	mm	φ3x60mm(bare fiber) or φ4x70mm(900um tube)					

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.

- 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 PMFBTC-XXXX-XX-XX-X-XX-XX-XX-XX

①Wavelength:	780=780nm; 980=980nm; 1030=1030nm; 1064=1064nm; 1310=1310nm; 1550=1550nm; S=Specify
②Configuration Type:	33=3x3
③Fiber Type:	PM780; PM980; PM1060; PM1300; PM1550; S=Specify
④Power Handling:	0L=0.5W; 01=1W; 02=2W
⑤Package Dimensions:	S3=3.0x60mm; S4=4.0x70mm; S=Specify
⑥Pigtail Type:	00=bare fiber; 09=900um loose tube
⑦Fiber Length:	08=0.8m; 10=1m; S=Specify
⑧Connector Type:	FA=FC/APC; FP=FC/UPC; SA=SC/APC; SP=SC/UPC; S=Specify