

1x2(2x2) PM Filter Coupler

Features:

Low Insertion Loss
High Extinction Ratio
High Isolation
High Stability and Reliability

Application:

EDFA
Fiber Optical Instrument
Power Monitoring
Fiber Sensor

Specifications:

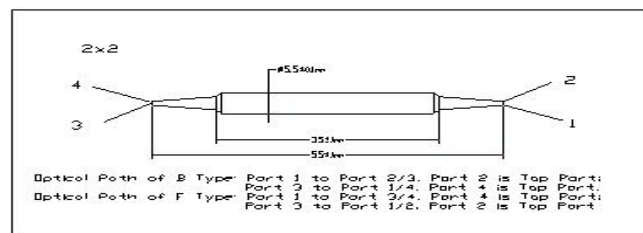
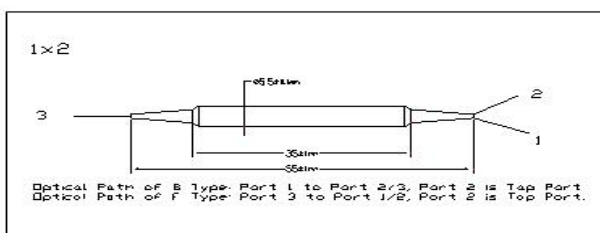
Parameter		1 x 2			2 x 2		
Wavelength (nm)		1310, 1480,1550	980,1030, 1064	850	1310, 1480,1550	980,1030, 1064	850
Operating Bandwidth (nm)		±40	±20	±20	±40	±20	±20
Excess Loss (dB)		≤0.7	≤0.8	≤1.2	≤1.0	≤1.2	≤1.4
Uniformity(only for 50/50) (dB)		≤0.4	≤0.5	≤0.6	≤0.6	≤0.8	≤0.8
Tap Ratio (%)		1±0.2%,2±0.4%,5±1%,10%,20%,30%,50%					
Extinction Ratio(dB)	Type B(Both of axis working)	≥20	≥20	≥20	≥18	≥18	≥18
	Type F(Fast axis blocked)	≥22	≥22	≥22	≥22	≥20	≥20
Return Loss (dB)		≥50					
Power Handling (mW)		≤300					
Fiber Type	Tap port 2(only for 1x2)	SMF-28e or PM1310 for 1310nm; SMF-28e or PM1550 for 1550nm; HI 1060 or PM980 for 980nm &1064nm; HI 780 or PM850 for 850nm;					
	Tap port 2&4(only for 2x2)	PM1310 for 1310nm; PM1550 for 1550nm; PM980 for 980nm&1064nm; PM850 for 850nm					
	Port 1 & 3	PM1310 for 1310nm; PM1550 for 1550nm; PM980 for 980nm&1064nm; PM850 for 850nm					
Operating Temperature (°C)		-5~+70					
Storage Temperature(°C)		-40 ~ +80					
Dimensions (mm)		φ5.5 × L35 or φ5.5 × L38 (only for bare fiber or 900um loose tube)					
		L90*W20*H9.5 (ABS) (P2) (only for 3mm or 2mm cable)					

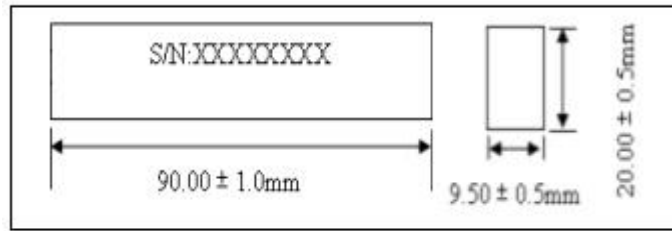
*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked.

Package Dimensions:





Ordering Information:

	Wavelength	Port Type	Couplig Ratio	Axis Alignment	Fiber for tap port	Pigtail Type	Length	Connector
	0850=850nm	1=1x2	1=1/99	F=Fast	1=Panda	1=250um	H=0.5m	0=None
	0980=980nm	2=2x2	2=2/98	Axis	fiber	bare fiber	8=0.8m	1=FC/UPC
	1030=1030nm		3=3/97	Blocked	2=SMF-28e	2=900um	1=1.0m	2=FC/APC
	1040=1040nm		4=4/96	B=Both	3=HI1060	loose tube	5=1.5m	3=SC/APC
	1064=1064nm		5=5/95	Axis	4=HI 780	3=3mm	2=2.0m	4=SC/UPC
	1310=1310 nm		A=10/90	Working		loose tube	3=3.0m	5=MU
	1480=1480 nm		B=20/80			4=2mm	4=4.0m	6=LC/UPC
	1550=1550 nm		C=30/70			loose tube	A=2.5m	7=LC/APC
	1580=1580nm		D=40/60			S=Specify	B=5.0m	S=Specify
			E=50/50				S=Specify	