

4x4 Monolithic Fused PM Fiber Coupler

Features

Low Excess Loss
High Power Handling
Both Axis Working / Polarization Insensitive
Telcordia GR-1221 Compliant

Applications

Optical Amplifier
Power Monitoring
Coherent Communication
Fiber Gyroscope



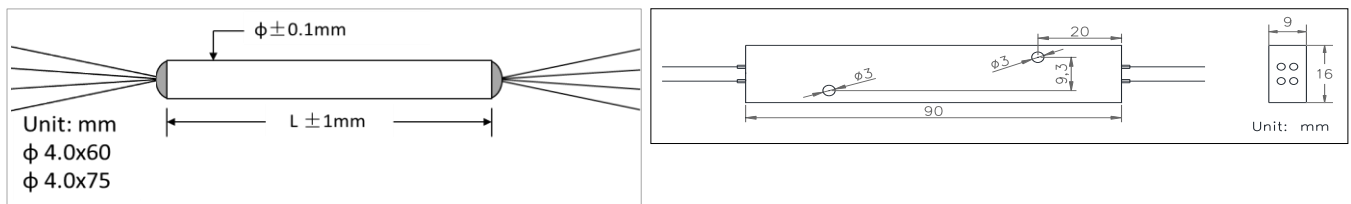
Specifications

Port Configuration	Unit	4x4		
Operating Wavelength	nm	780, 980, 1064	1310, 1550	
Operating Bandwidth	nm	±20		
Splitting Ratio	%	25:25:25:25		
Splitting Ratio Tolerance	%	±5		
Insertion Loss ^[1]	dB	≤8.0	≤7.8	
Polarization Extinction Ratio ^[1]	dB	≥18		
Return Loss ^[1]	dB	≥50		
Cross Talk ^[2]	dB	≥50		
Axis Alignment		Both Axis Pass		
Fiber Type		PM1550, PM980, PM780, PM850, PM1300 Panda Fiber		
Dimensions(mm)		250μm Bare Fiber	900μm Loose Tube	900μm or 2/3mm Cable
		φ4.0×60	φ4.0×75	90×16×9
Power Handling	W	≤2		
Operating Temperature	°C	-40 ~ +85		
Storage Temperature	°C	-40 ~ +85		

^[1] With connectors, IL+0.3dB, RL-5dB, ER-2dB. Connector key aligned to slow axis.

^[2] Output1 to output2/3/4, outp2 to output3/4, output3 to output4.

Package Dimension



Ordering Information

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①	Type	PS=PM Fused Coupler;
②	Grade	P=Grade P;
③	Port Type	4x4;
④	Wavelength	780; 850; 980; 1030; 1040; 1064; 1310; 1550;
⑤	Coupling Ratio	EVEN;
⑥	Axis Alignment	2=Both Axis Working;
⑦	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube; 2000=2mm Cable; 3000=3mm Cable;
⑧	Fiber Type	P15=PM1550 Fiber; P98=PM980 Fiber; P13=PM1300 Fiber; P78=PM780 Fiber;
⑨	Length	1=1m;
⑩	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑪	Package	4×60; 4×75; 90×16×9;