1x2(2x2) Fused PM Fiber Standard Coupler

Features

- Low Excess Loss
- High Power Handling
- Available for Slow Only or Fast Axis App
- Telcordia GR-1221 Compliant

Applications

- Optical Amplifier
- Power Monitoring
- Coherent Communication
- Fiber Gyroscope

Specifications

Parameters	Unit	Grade P	Grade A	Grade P	Grade A	Grade P	Grade A
Operating Wavelength	nm	1310, 1550		980, 1030, 1040, 1060		780, 850	
Operating Bandwidth	nm	+/-15					
Typical Excess Loss	dB	≤0.3	≤0.4	≤0.4	≤0.6	≤0.6	≤0.8
Polarization Extinction Ratio	dB	≥20	≥18	≥20	≥18	≥20	≥18
Return Loss	dB	≥55					
Power Handling	W	≤3					
Directivity	dB	≥55					
Operating Temperature	℃	-40 ~ +85					
Storage Temperature	℃	-40 ~ +85					

Splitting Ratio Tolerance

Splitting Ratio	Grade P	Grade A
50/50	±4.8	±7.0
60/40	±3.9	±5.5
70/30	±2.5	±4.0
80/20	±2.3	±3.1
90/10	±2.1	±2.6
95/5	±1.4	±1.5
98/2	±0.7	±1.0
99/1	±0.5	±0.6

Package Information

Configuration	1x2 or 2x2		
Fiber Length	0.8m, others on request		
Fiber Type	Panda fiber		
Pigtail Type	250μm Bare Fiber	900μm Loose Tube	900μm/2mm/3mm Loose Tube
Dimensions(mm)	φ3.0×40; φ3.0×54	φ3.0×54	90×16×9

Ordering Information

CP- ①①-②-③③③-④④④-⑤⑤⑤⑤-⑥⑥⑥-⑦-⑧⑧⑧-⑨⑨-⑩⑩⑩⑩⑩⑩⑩

①	Type	PS=PM Fused Coupler
②	Grade	P=Grade P; A=Grade A
③	Port Type	1x2; 2x2;
④	Wavelength	780; 850; 980; 1030; 1040; 1064; 1310; 1550;
⑤	Coupling Ratio	1/99; 2/98; 3/97; ……; 50/50;
⑥	Pigtail Type	250=250um Fiber; 900=900um Loose Tube;
⑦	Fiber Type	5=Panda Fiber
⑧	Length	0.8= 0.8m
⑨	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others
⑩	Package	φ3.0×40; φ3.0×54; 90×16×9