

# 1x2(2x2) 80um Fused PM Fiber 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
Operating Wavelength	nm	780, 830, 980, 1064		1310, 1480, 1550, 2000	
Operating Bandwidth	nm	±15		±20	
Typical Excess Loss	dB	0.60	0.80	0.40	0.70
Polarization Extinction Ratio	dB	17	15	18	16
Return Loss	dB	≥50	≥45	≥50	≥45
Power Handling	W	≤2			
Directivity	dB	≥55			
Operating Temperature	°C	-40 ~ +85			
Storage Temperature	°C	-40 ~ +85			

## Splitting Ratio Tolerance

Splitting Ratio	Grade P	Grade A
50/50	±5.0	±8.0
60/40	±4.0	±6.0
70/30	±3.0	±4.5
80/20	±2.5	±3.3
90/10	±2.2	±2.8
95/5	±1.5	±1.7
98/2	±0.8	±1.0
99/1	±0.5	±0.7

## Package Information

Configuration	1x2 or 2x2
Fiber Length	0.8m, others on request
Fiber Type	80/165um Bare Panda Fiber
Pigtail Type	Bare Fiber
Dimensions(mm)	φ3.0×30

## Ordering Information

CP- ①①-②-③③③-④④④-⑤⑤⑤⑤-⑥⑥⑥-⑦⑦⑦⑦-⑧⑧⑧-⑨⑨-⑩⑩⑩⑩⑩

①	Type	PS=PM Fused Coupler;
②	Grade	P=Grade P; A=Grade A;
③	Port Type	1x2; 2x2;
④	Wavelength	780; 850; 980; 1064; 1310; 1550;
⑤	Coupling Ratio	1/99; 2/98; 3/97; .....; 50/50;
⑥	Pigtail Type	165=80/165um Bare Panda Fiber;
⑦	Fiber Type	RC80=80/165um Bare 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	3x30;