

Ultra-Low Splitting Ratio PM Fused Coupler

Specifications

Parameters	Unit	Values	
Operating Wavelength	nm	780, 850, 980, 1064, 1310, 1550, 1570, 1625, 2000	
Operating Bandwidth	nm	±15	
Grade	dB	P	A
Insertion Loss for Through Port	dB	≤0.15	
Insertion Loss for 0.1% Tap Port	dB	30±3	30±4
Insertion Loss for 0.01% Tap Port	dB	40±4	40±5
Insertion Loss for 0.001% Tap Port	dB	50±5	50±6
Excess Loss	dB	≤0.8	≤1.0
Polarization Extinction Ratio	dB	≥18	≥16
Return Loss	dB	≥50	
Directivity	dB	≥55	
Power Handling (CW)	W	0.5, 1, 3, 5	
Operating Temperature	°C	-40 ~ +85	
Storage Temperature	°C	-50 ~ +85	

Package Information

Configuration	1x2 or 2x2		
Fiber Length	1m, others on request		
Fiber Type	PM Fiber		
Pigtail Type	250µm Bare Fiber	900µm Loose Tube	900µm/2mm/3mm Loose Tube
Dimensions(mm)	φ3.0x60	φ3.0x70	90x16x9

Ordering Information

CP- ①①-②③③③-④④④-⑤⑤⑤⑤⑤-⑥⑥⑥-⑦⑧-⑨⑨-⑩⑩⑩⑩⑩⑩⑩⑩

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; 1570; 1625; 2000;
⑤	Coupling Ratio	0.1%; 0.01%; 0.001%;
⑥	Pigtail Type	250=250µm Fiber; 900=900µm Loose Tube; 2mm=2mm loose tube; 3mm=3mm Loose Tube;
⑦	Fiber Type	5=PM Fiber;
⑧	Length	1=1m;
⑨	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑩	Package	φ3.0x60; φ3.0x70; 90x16x9;