

## 1x2/2x2 High Power Fused PM Fiber Coupler/Splitter

### FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipments



### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1310, 1480, 1550, 1570, 1590	
Bandwidth	nm	+/-15	
Excess Loss	dB	≤0.60	
Tap Ratio	dB	0.01:99.99, 0.1:99.9, 1:99, 2:98, 5:95 10:90, 20:80, 30:70, 40:60, 50:50	
Directivity	dB	≥50	
Extinction Ratio	dB	≥18	
Fiber Type	-	PM1310/1550 Fiber or 10/125um PMDC Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)3.0x60 for Bare Fiber
			(Φ)3.0x76 for 900um Loose Tube
	Metal Box	(L)120x(W)12x(H)10 for 2mm/3mm Cable	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. For  $5\% \leq \text{Tap Ratio} \leq 10\%$ , Tap Port ER is 2dB Lower, for  $1\% \leq \text{Tap Ratio} < 5\%$ , Tap Port ER is 5dB Lower, for Tap Ratio  $< 1\%$ , Tap Port ER is out of concern.
  5. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  6. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FPCL-NNNN	- NN	N	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	001-0.1% Ratio	1-1x2 Type	1-1W	M-Metal Box	0-10/125PMDC Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
1480-1480nm	05-5% Ratio	2-2x2 Type	2-2W	Blank for SST	Blank for PM1310/1550 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1550-1550nm	10-10% Ratio		10-10W			2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1590-1590nm	50-50% Ratio		30-30W			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector