

2000nm 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	1900, 1950, 2000, 2050
Bandwidth	nm	+/-10
Excess Loss	dB	≤0.90
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	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O)
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	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm
		Φ3.0x ^L 60 for Bare Fiber
		Φ3.0x ^L 76 for 900um Loose Tube ^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%≤Tap Ratio≤10%, Tap Port ER is 2dB Lower, for 1%≤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
1900-1900nm	001-0.1% Ratio	1- 1x2 Type	1- 1W	M-Metal Box	V- PM1950 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
1950-1950nm	05- 5% Ratio	2- 2x2 Type	2- 2W	Blank for SST	O-10/130 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
2000-2000nm	10- 10% Ratio		5- 5W		Blank for PM1550 Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
2050-2050nm	50- 50% Ratio		10-10W			3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector