

## 2000nm Fused PM Fiber Coupler/Splitter for Pulse Power

### 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	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
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%≤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	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	001- 0.1% Ratio	1- 1x2 Type	03-300mW	01-100W	M-Metal Box	V- PM1950 Fiber	B- Bare fiber	05-0.5m	N-Without Connector
1950-1950nm	05- 5% Ratio	2- 2x2 Type	1- 1W	1- 1kW	Blank for SST	O-10/130 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
2000-2000nm	10-10% Ratio		10- 10W	5- 5kW		Blank for PM1550 Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
2050-2050nm	50- 50% Ratio		30-30W	10-10kW			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector