

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) 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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.
 - 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.
 - Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCL-NNNN	-	NN	N	-HNN	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