980~1120nm 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	975, 980, 990, 1000 1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120
Bandwidth		nm	+/-10
Excess Loss		dB	≤0.90
Split Ratio		%	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		-	PM980 Panda Fiber or PM1060L Fiber (E) 10/125um 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, 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 0.5dB 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*
980= 980nm	001= 0.1% Ratio	1= 1x2 Type	03=300mW	01=100W	M=Metal Box	E=PM1060L Fiber	B= Bare Fiber	05=0.5m	N =Without Connector
1030=1030nm	05= 5% Ratio	2= 2x2 Type	1= 1W	1= 1kW	*Blank* for SST	O=10/125PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1060=1060nm	10= 10% Ratio		5= 5W	5= 5kW		*Blank* for PM980 Fiber	2= 2mm Cable	15=1.5m	LC/PC =LC/PC Connector
1092=1092nm	50= 50% Ratio		10=10W	10=10kW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector