

1600~1790nm 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	1625, 1650, 1700, 1730, 1750, 1790
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	mm	(Φ)3.0x60 for Bare Fiber
Stainless Steel Tube (SST)		(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	-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	
1600-1600nm	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	
1650-1650nm	05- 5% Ratio	2- 2x2 Type	1- 1W	1- 1kW	Blank for SSL	O-10/130 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
1700-1700nm	10- 10% Ratio		10- 10W	10- 10kW		Blank for PM1550 Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
1750-1750nm	50- 50% Ratio		30-30W	20-20kW			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	