

## 1600~1790nm 1x2/2x2 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	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	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm	(Φ)3.0x60 for Bare Fiber
			(Φ)3.0x76 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. 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.
  4. 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.
  5. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FPCL -	NNNN	- NN	N	-(C)	(C)	C	NN	-CC/CCC
	Center Wavelength	Coupling Ratio.	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1600~1600nm	001= 0.1% Ratio	1= 1x2 Type	M= Metal Box	V= PM1950 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	1650~1650nm	05= 5% Ratio	2= 2x2 Type	Blank for SSL	O=10/130 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	1700~1700nm	10=10% Ratio			Blank for PM1550 Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1750~1750nm	50= 50% Ratio				3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector