

## 980nm~1120nm 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	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	
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 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. 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.
  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
1030-1030nm	001= 0.1% Ratio	1= 1x2 Type	M= Metal Box	E= PM1060L Fiber	B= Bare fiber	05= 0.5m	N= Without Connector
1053-1053nm	05= 5% Ratio	2= 2x2 Type	Blank for SST	O= 10/125PMDC Fiber	L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector
1064-1064nm	10= 10% Ratio			Blank for PM980 Fiber	2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector
980-980nm	50= 50% Ratio				3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector