

## 900~950nm PM Filter Coupler

### FEATURES

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

### APPLICATIONS

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab



### SPECIFICATIONS

Parameter		Unit	1x2 Type				2x2 Type			
Center Wavelength		nm	915, 930, 940, 950							
Bandwidth		nm	+/- 15							
Split Ratio		-	0.1:99.9	1:99	2:98	5:95	10:90	40:60	50:50	
Tap Ratio		-	0.1%	1±0.5%	2±0.6%	5±1.2%	10%	40%	50%	
Excess Loss	Max.	dB	1.4				1.6			
Uniformity	Max.	dB	1.0				1.4			
Extinction Ratio		dB	≥ 20							
Optical Return Loss		dB	≥ 50							
Fiber Type	Tap Port	-	Same Fiber, Corresponding SM Fiber or 50/125um Fiber							
	Thru Port	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)							
Work Mode	Standard	-	Can only work in Slow Axis							
	B Type	-	Can work both in Slow Axis and Fast Axis							
Fiber Tensile Load		N	5							
Max. Optical Power (CW)		mW	300							
Operating Temperature		°C	0~50							
Storage Temperature		°C	-40~85							
Package	Stainless Steel Tube (SST)	mm	∅5.5xL35							
Dimension	Metal Box	mm	L120x <sup>W</sup> 12x <sup>H</sup> 10							

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - 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.

### ORDERING INFORMATION (PN)

FPFC- NNN	- NN	C	N	(C)	- (C)	C	C	NN	- CC/CCC
Wavelength	Split Ratio	Tap Port Fiber	Type	Work Mode	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915-915nm	01-1/99	P=Same Fiber	1-1x2	B=B Type	M=Metal Box	2-PM850Fiber	B= Bare fiber	05-0.5m	N=Without Connector
930-930nm	05-5/95	S=Corr. SM Fiber	2-2x2	Blank for Standard	Blank for SST	H-PM980 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
940-940nm	10-10/90	5=50/125um Fiber				E-PM1060L Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
950-950nm	50-50/50					R=25/250 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector