900~950nm High Power 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	+/-15nm or customer specify						
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	≥18						
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)		W	1, 2, 3, 5, 10, 15, 20, 30, 50, 60						
Operating Temperature		°C	0~50						
Storage Temperature		°C	-40~85						
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35 (≤5W); Ø6.0xL50 (5~10W)						
	Metal Box	mm	L90xW12xH10 (>10W); L120xW12xH10 (≤10W)						

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB 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. 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 fiber type and configurations.

Ordering Information (PN)

FPFC - NNN - NN C N (C) -HPNN -(C) C C NN - CC/CCC

Wavelength	Split Ratio	Tap Port Fiber	Type	Work Mode	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915=915nm	001=0.1/99.9	P=Same Fiber	1=1x2	B=B Type	1= 1W	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	5= 5W	*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			10=10W	or >10W	E=PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
950=950nm	50=50/50				20=20W		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector