1620~1790nm 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	Value						
Center Wavelength		nm	1625, 1650, 1700, 1730, 1750, 1790						
Bandwidth		nm	+/-20						
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	1x2	dB	≤1.2						
	2x2	dB	≤1.4						
Uniformity	Max.	dB	1.0						
Extinction Ratio		dB	≥18						
Optical Return Loss		dB	≥50						
Fiber Type	Tap Port	-	Same Fiber, Corresponding SM Fiber or 50/125um Fiber						
	Thru Port	-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)						
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 0.3dB 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. 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-NNNN - NN C N (C) -HP NN - (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*
1625=1625nm	01=1/99	P= Same Fiber	1=1x2	B=B Type	1=1W	M=Metal Box	2=PM1550 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1700=1700nm	05=5/95	S= Corr. SM Fiber	2=2x2	*Blank* for Standard	2=2W	*Blank* for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1730=1730nm	10=10/90	5=50/125um Fiber			5=5W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1790=1790nm	50=50/50				10=10W		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector