750~850nm PM Filter Coupler for Pulse Power

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	750, 780, 793, 808, 830, 850						
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 Panda Fiber or PM780-HP Fiber						
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. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20						
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20						
Operating Temperature		°C	0~50						
Storage Temperature		°C	-40~85						
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35						
	Metal Box	mm	L120xW12xH10						

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) -H NN P NN - (C) N C NN - CC/CCC

Wavelength	Split Ratio	Tap Port Fiber	Type	Work Mode	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
780=780nm	001=0.1/99.9	P=Same Fiber	1=1x2	B=B Type	03=300mW	01=100W	M=Metal Box	2= PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
793=793nm	05=5/95	S=Corr. SM Fiber	2=2x2	*Blank* for Standard	1= 1W	1= 1kW	*Blank* for SST	7= PM780HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
808=808nm	10=10/90	5=50/125um Fiber			5=5W	5= 5kW			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
850=850nm	50=50/50				10= 10W	10=10kW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector