

1950nm 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	1900, 1950						
Bandwidth		nm	+/-30						
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	≤1.9						
	2x2	dB	≤2.2						
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 or PM1950 Fiber (V) 10/130um PMDC Fiber (O) 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						
Operating Temperature		°C	0~50						
Storage Temperature		°C	-40~85						
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)						
Dimension	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)						

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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-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	
1950-1950nm	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	
1900-1900nm	05-5/95	S= Corr. SM Fiber	2-2x2	Blank for Standard	2-2W	Blank for SST	V- PM1950 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
	10-10/90	S=50/125um Fiber			5-5W	or >10W	O=10/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
	50-50/50				10-10W		R=25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	

