

# 1080nm 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	1080						
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+/-1.0%	10%	40%	50%
Excess Loss	Max.	dB	1.0			1.4			
Uniformity	Max.	dB	0.6			0.8			
Extinction Ratio		dB	≥ 18						
Optical Return Loss		dB	≥ 50						
Fiber Type	Tap Port	-	Same Fiber, Corr. SM Fiber or 105/125um Fiber						
	Thru Port	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 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. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 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	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:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB 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.

## ORDERING INFORMATION (PN)

FPFC-NNNN	- NN	C	N	(C)	-H NN	P NN	-(C)	C	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
1080-1080nm	01=1/99	P=Same Fiber	1=1x2	B=B Type	03=300mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector	
	05=5/95	S=Corr. SM Fiber	2=2x2	Blank for Standard	1= 1W	1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
	10=10/90	A=105/125um Fiber			5=5W	5=5kW	or >10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
	50=50/50				10=10W	10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	