

## 1620~1790nm 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	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. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 60						
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	∅5.5x <sup>L</sup> 35 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W)					
Dimension	Metal Box	mm	L90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); L120x <sup>W</sup> 12x <sup>H</sup> 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.
  - Package size may be different for different optical power fiber type and configurations.

### 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
1625-1625nm	01-1/99	P= Same Fiber	1-1x2	B=B Type	03-300mW	01-100W	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	1-1W	1-1kW	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	5-5kW	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	10-10kW		R=25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

