

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	Standard				High ER Type		
Center Wavelength		nm	1310, 1480, 1550, 1590						
Bandwidth		nm	+/-40nm 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						
Uniformity	Max.	dB	0.8						
Extinction Ratio	1x2	dB	≥18				≥20		
	2x2	dB	≥16				≥20		
Work Mode		-	Both axis working				Can only work in Slow Axis		
Optical Return Loss		dB	≥50						
Fiber Type	Tap Port	-	Same Fiber, Corresponding SM Fiber or 50/125um Fiber						
	Thru Port	-	PM1310/1550 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)						
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, 20						
Operating Temperature		°C	0~70						
Storage Temperature		°C	-40~85						
Package	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (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.
 - High ER type can only work in slow axis and fast axis is blocked.
 - 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	C	-H NN	P NN	-(C)	C	C	NN	- CC/CCC
Wavelength	Split Ratio	Tap Port Fiber	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	01-1/99	P= Same Fiber	1-1x2 Standard	03-300mW	01-100W	M= Metal Box	2-PM1310/1550 Fiber	B= Bare fiber	05-0.5m	N= Without Connector
1480-1480nm	05-5/95	S= Corr. SM Fiber	2-2x2 Standard	1- 1W	1- 1kW	Blank for SST	0-10/125 PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1550-1550nm	10-10/90	5-50/125um Fiber	H-1x2 High ER Type	5- 5W	5- 5kW	or >10W	T-12/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1590-1590nm	50-50/50		T-2x2 High ER Type	10-10W	10-10kW		R-25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

