

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	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. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 30, 50, 60						
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:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB 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. High ER type can only work in slow axis and fast axis is blocked.
 5. 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.
 6. Package size may be different for different optical power fiber type and configurations.

ORDERING INFORMATION (PN)

FPFC-NNNN	- NN	C	C	-HP NN	-(C)	C	C	NN	-CC/CCC
Wavelength	Split Ratio	Tap Port Fiber	Type	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	01-1/99	P- Same Fiber	1-1x2 Standard	1-1W	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	3-3W	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	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		R-25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector