

## 1650nm 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	1650						
Bandwidth		nm	+/-10						
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	Max.	dB	1.3						
Uniformity	Max.	dB	0.8						
Extinction Ratio		dB	≥20						
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)						
Fiber Tensile Load		N	5						
Max. Optical Power (CW)		mW	300						
Operating Temperature		°C	0~70						
Storage Temperature		°C	-40~85						
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35						
Dimension	Metal Box	mm	(L)120x(W)12x(H)10						

- 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. The device can only work in slow axis and fast axis is blocked.
  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)	C	C	NN	-	CC/CCC
Wavelength	Split Ratio	Tap Port Fiber	Fiber Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
1650-1650nm	01=1/99	P= Same Fiber	1=1x2	M=Metal Box	2=PM1550 Fiber	B= Bare fiber	05=0.5m	N=Without Connector			
	05=5/95	S= Corr. SM Fiber	2=2x2	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
	10=10/90	5=50/125um Fiber			T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
	50=50/50				R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector			