830-850nm 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	1x2 Type			2x2 Type			
Center Wavelength		nm	830, 850						
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+/-1.0%	10%	40%	50%
Excess Loss	Max.	dB	1.4			1.6			
Uniformity	Max.	dB	0.8			1.0			
Extinction Ratio		dB	≥20						
Optical Return Loss		dB	≥50						
Fiber Type	Tap Port	-	Same Fiber, Corresponding SM Fiber or 50/125um Fiber						
	Thru Port	-	PM 850 Panda Fiber or Nufern PM780-HP Fiber						
Fiber Tensile Load		N	5						
Max. Optical Power (CW)		mW	300						
Operating Temperature		°C	0~50						
Storage Temperature		°C	-40~85						
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35						
	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 0.7dB 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.

ORDERING INFORMATION (PN)

FPFC- NNN - NN C N - (C) N C NN - CC/CCC

Wavelength	*Split Ratio*	*Tap Port Fiber*	*Type*	*Package*
830=830nm	01=1/99	P= Same Fiber	1=1x2	M=Metal Box
850=850nm	05=5/95	S= Corr. SM Fiber	2=2x2	*Blank* for SST
	10=10/90	5=50/125um Fiber		
	50=50/50			

Fiber Type	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
2= PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
7=PM780HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector