

780~850/2000nm WDM/Iso/Tap PM Hybrid Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks



SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Signal Wavelength Range λ_1		nm	2000 \pm 20	
Pump Wavelength Range λ_2		nm	780+/-10, 793+/-10, 808+/-10, 830+/-10, 850+/-10	
Excess Loss	Signal Channel@ λ_1	dB	\leq 1.8	\leq 2.2
Insertion Loss	Pump Channel@ λ_2	dB	\leq 1.3	
Signal Tap Ratio		%	1 \pm 0.5, 2 \pm 0.7, 5 \pm 1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@ λ_1 , 23°C)		dB	\geq 16	\geq 35
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25	
	Pump Channel@ λ_1	dB	\geq 12	
Optical Return Loss		dB	\geq 45	
Extinction Ratio		dB	\geq 18	
Pump Type	S Type	-	Forward Pump, Only Slow Axis Working	
	F Type	-	Forward Pump, Both Axis Working	
	B Type	-	Backward Pump, Only Slow Axis Working	
Fiber Type	Common & Signal Port	-	PM1550 Panda Fiber or PM1950 Fiber (V)	
		-	10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
	Pump Port	-	Same Fiber or Corr. SM Fiber	
		-	PM850 Fiber, PM780HP Fiber (7) or HI780 Fiber	
Tap Port	-	Same Fiber or Corr. SM Fiber		
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(\varnothing) 5.5x40	
	Metal Box	mm	(L)120x(W)12x(H)10	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - 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)

FPHT-NN	NN	-	C	C	NN	-	C	C	-(C)	C	C	NN	-	CC/CCC
Pump WL	Signal WL	Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
78=780nm	20=2000nm	S=Single Stage	S=S Type	01= 1%	Y=Same Fiber	P=Same Fiber	M=Metal Box	2= PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector			
79=793nm		D=Dual Stage	F= F Type	05=5%	P=PM850 Fiber	S=Corr. SM Fiber	Blank for SST	V= PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
81=808nm			B=B Type	10=10%	H=HI780 Fiber			O=10/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
85=850nm				50=50%	S=Corr. SM Fiber			R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector			

