

780~850/2030~2070nm WDM/Iso/Tap PM Hybrid Filter for Pulse Power

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

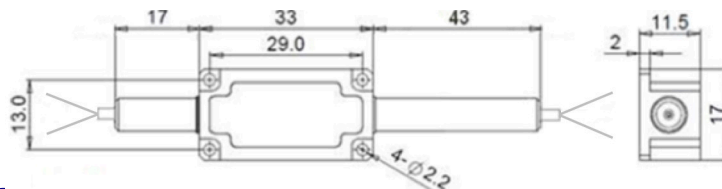


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	2030 \pm 20, 2050 \pm 20, 2070 \pm 10		
Pump Wavelength Range λ_2	nm	780 \pm 10, 793 \pm 10, 808 \pm 10, 830 \pm 10, 850 \pm 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 10	\geq 25
Signal/Pump Wavelength Isolation		dB	\geq 25/12	
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	
	Tap Port	-	PM850 Fiber, PM780HP Fiber (7) or HI780 Fiber	
Fiber Tensile Load	N	5		
Maximum Average Optical Power	W	0.3, 0.5, 1, 2		3, 5, 10
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
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.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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 DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FPHT-NN NN - C C NN - C C-H NN P NN -(C) C C NN - CC/CCC

Pump WL	Signal WL	Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
78-780nm	23-2030nm	S=Single Stage	S=S Type	01=1%	Y=Same Fiber	P=Same Fiber	03=300mW	01=100W	M=Metal Box	2=PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
79-793nm	25-2050nm	D=Dual Stage	F= F Type	05=5%	P=PM850 Fiber	S=Corr. SM Fiber	1=1W	1=1kW	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
81-808nm	27-2070nm	H=H Stage	B=B Type	10=10%	H=HI780 Fiber		5=5W	10=10kW	or >2W	0=10/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
85=850nm				50=50%	S=Corr. SM Fiber		10=10W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector