

780~850/1900~1970nm WDM/Iso/Tap Hybrid Filter for Pulse Power

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

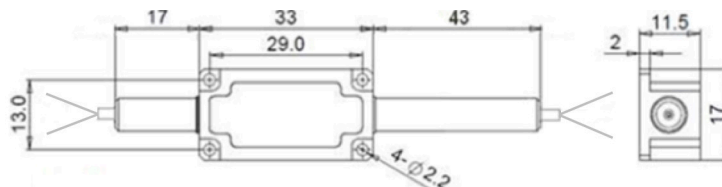


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20, 1970 \pm 20		
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	
PDL		dB	\leq 0.2	
Pump Type		-	Forward Pump	
Fiber Type	Common & Signal	-	SMF-28 Fiber or SM1950 Fiber (V)	
	& Tap Port	-	10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
	Pump Port	-	Same Fiber, 780HP Fiber 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.
 - 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)

FHWT-NN	NN	-C	NN	C	-H	NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Pump WL	Signal WL	Stage	Tap Ratio	Pump Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
78-780nm	90-1900nm	S=Single Stage	01-1%	Y=Same Fiber	03-300mW	01-100W	M=Metal Box	V=SM1950 Fiber	B=Bare Fiber	05-0.5m	N=Without Connector	
79-793nm	93-1930nm	D=Dual Stage	05-5%	7=780HP Fiber	1-1W	1-1kW	Blank for SST	O=10/130 DC Fiber	L=Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
81-808nm	19-1950nm	H=H Stage	10-10%	H=HI780 Fiber	5-5W	10-10kW	or >2W	R=25/250 DC Fiber	2=2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
85-850nm	97-1970nm		50-50%		10-10W	20-20kW		Blank for SMF-28 Fiber	3=3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	