

780~850/2000nm High Power WDM/Iso/Tap Hybrid Filter

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

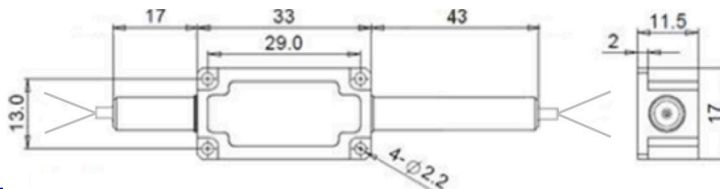


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	2000 \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 16	\geq 35
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 Optical Power (CW)		W	1, 2	3, 5, 10
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:**
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.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 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.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FHWT-NN	NN	-C	NN	C	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Pump WL	Signal WL	Stage	Tap Ratio	Pump Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
78-780nm	20-2000nm	S=Single Stage	01=1%	Y=Same Fiber	1=1W	M=Metal Box	V=SM1950 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
79-793nm		D=Dual Stage	05=5%	7=780HP Fiber	3=3W	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
81-808nm		H=H Stage	10=10%	H=HI780 Fiber	5=5W	or >2W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
85-850nm			50=50%		10=10W		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector