

1500~1600/1900~1970nm 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

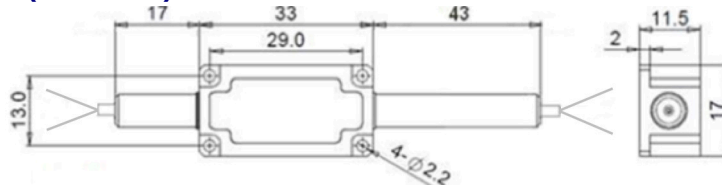


SPECIFICATIONS

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	1530 \pm 20, 1550 \pm 20, 1570 \pm 20, 1590 \pm 20		
Excess Loss	Signal Channel@ λ_1	dB	\leq 1.8	\leq 2.2
Insertion Loss	Pump Channel@ λ_2	dB	\leq 1.0	
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
Wavelength Isolation	Signal Channel@ λ_2	dB	\geq 25	
	Pump Channel@ λ_1	dB	\geq 12	
Optical Return Loss		dB	\geq 45	
PDL		dB	\leq 0.2	
Pump Type	-	Forward Pump		
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V)		
	-	10/130um DC Fiber (O) or 25/250um DC Fiber (R)		
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 0.3dB 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	-H NN	P NN	- (C)	(C)	C	NN	- CC/CCC
Pump WL	Signal WL	Stage	Tap Ratio	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
53=1530nm	90=1900nm	S=Single Stage	01= 1%	03=300mW	01=100W	M=Metal Box	V= SM1950 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
15=1550nm	93=1930nm	D=Dual Stage	05=5%	1= 1W	1= 1kW	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
57=1570nm	19=1950nm	H=H Stage	10=10%	5=5W	10=10kW	or >2W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
59=1590nm	97=1970nm		50=50%	10=10W	20=20kW		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector