

1500~1600/2000nm 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

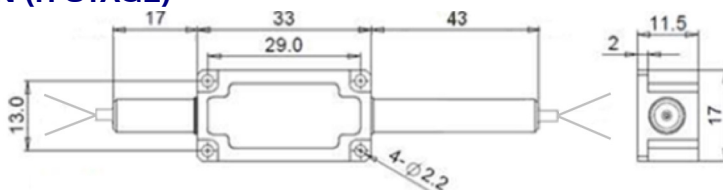


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Signal Wavelength Range λ_1	nm	2000 $\pm$ 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	≤ 1.8	≤ 2.2	≤ 2.2
Insertion Loss Pump Channel@ λ_2	dB	≤ 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	≥ 16	≥ 35	≥ 25
Wavelength Isolation	Signal Channel@ λ_2	≥ 25		
	Pump Channel@ λ_1	≥ 12		
Optical Return Loss	dB	≥ 45		
PDL	dB	≤ 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	(Ø)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 0.3dB 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	-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	20=2000nm	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		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		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			50=50%	10=10W	20=20kW		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

