780~850/2000nm 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 λ1		nm	2000±20		
Pump Wavelength Range λ2		nm	780+/-10, 793+/-10, 808+/-10, 830+/-10, 850+/-10		
Excess Loss	Signal Channel@λ1	dB	≤1.8	≤2.2	≤2.2
Insertion Loss	Pump Channel@λ2	dB	≤1.3		
Signal Tap Ratio		%	1±0.5, 2±0.7, 5±1, 10, 20, 30, 40, 50		
Signal Isolation (Signal Channel@λ1, 23°C)		dB	≥16	≥35	≥25
Signal/Pump Wavelength Isolation		dB	≥25/12		
Optical Return Loss		dB	≥45		
PDL		dB	≤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	(Ø)5.5x40		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

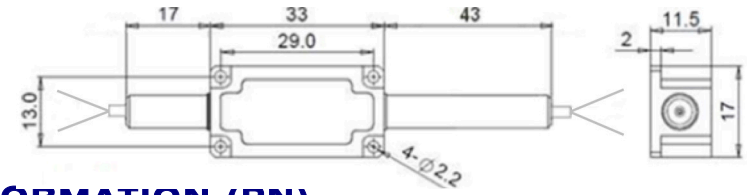
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

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 -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	20=2000nm	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		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		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			50=50%		10=10W	20=20kW		*Blank* for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector