780~850/2000nm WDM/Isolator Hybrid Filter for Pulse

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro 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		
Insertion Loss	Signal Channel@λ1	dB	≤1.6	≤2.0	≤2.0
	Pump Channel@λ2	dB	≤1.3		
Signal Isolation (Signal Channel@λ1)		dB	≥16	≥35	≥25
Signal/Pump Wavelength Isolation		dB	≥25/12		
Optical Return Loss		dB	≥45		
PDL		dB	≤0.2		
Fiber Type	Common & Signal Port	-	SMF-28 Fiber or SM1950 Fiber (V)		
			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		
Max. Average Optical Power		W	0.3, 0.5, 1, 2		3, 5, 10
Max. Peak Power for pulse		kW	0.1, 1, 2, 5, 10, 15, 20		
Operating Temperature		°C	0~50		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

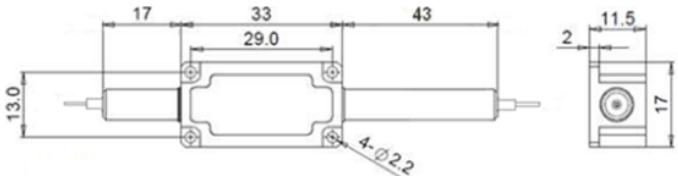
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

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.

DIMENSION DRAWING (H STAGE)



ORDERING INFORMATION (PN)

FHWM-NN NN - C C C -H NN P NN -(C) (C) C NN -CC/CCC

Pump WL	Signal WL	Stage	Pump Type	Pump Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
78=780nm	20=2000nm	S=Single Stage	F= Forward	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	B=Backward	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		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					10= 10W	20=20kW		*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector