1480/1550/1590nm 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	1530-1570 (C-Band), 1570-1610 (L-Band)		
Pump Wavelength Range λ2		nm	1450-1490		
Insertion Loss	Signal Channel@λ1	dB	≤1.1	≤1.3	≤1.4
	Pump Channel@λ2	dB	≤0.8		
Signal Isolation (Signal Channel@λ1)		dB	≥28	≥45	≥25
Signal/Pump Wavelength Isolation		dB	≥25/12		
Optical Return Loss		dB	≥45		
PDL		dB	≤0.1	≤0.2	
PMD		ps	≤0.25	≤0.1	
Fiber Type	Common & Signal	-	SMF-28 Fiber or 10/130um DC Fiber (O)		
			12/130um DC Fiber (T) or 20/130um DC Fiber (Q)		
			25/250um DC Fiber (R) or 25/300um DC Fiber (G)		
	Pump Port		Same Fiber or SMF-28 Fiber		
Fiber Tensile Load		N	5		
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10		15, 20
Max. Peak Power for pulse		kW	0.1, 1, 2, 5, 10, 15, 20		
Operating Temperature		°C	0~70		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

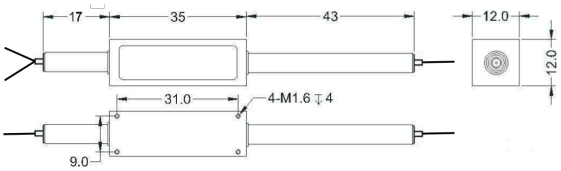
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB 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.

DIMENSION DRAWING (H STAGE)



ORDERING INFORMATION (PN)

FHWM-14(C)C C (C) -H NN P NN -(C) (C) C NN -CC/CCC

Signal Wavelength	*Stage*	*Pump Type*	*Pump Fiber*	*Average Power*	*Peak Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
L=L Band	S=Single Stage	F= Forward	S=SMF-28 Fiber	03=300mW	01=100W	M=Metal Box	0=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
Blank for C Band	D=Dual Stage	B=Backward	*Blank* for Same Fiber	1= 1W	1= 1kW	*Blank* for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H=H Stage			10= 10W	10= 10kW	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				20=20W	20=20kW		*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector