

980/1550/1590nm 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

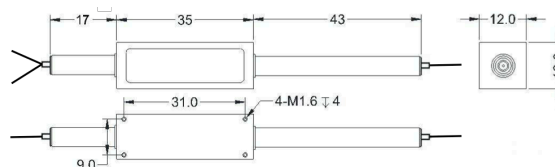


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage	
Signal Wavelength Range λ_1	nm	1530-1570 (C-Band), 1570-1610 (L-Band)			
Pump Wavelength Range λ_2	nm	960-990			
Insertion Loss	Signal Channel@ λ_1	dB	≤1.3	≤1.4	≤1.6
	Pump Channel@ λ_2	dB	≤0.8		
Signal Isolation (Signal Channel@ λ_1)	dB	≥28	≥45	≥25	
Signal/Pump Wavelength Isolation	dB	≥30/12			
Optical Return Loss	dB	≥45			
PDL	dB	≤0.1	≤0.2		
PMD	ps	≤0.25	≤0.1		
Fiber Type	Signal Port	-	SMF-28 Fiber or 10/130um DC Fiber (O)		
	Common & Pump Port	-	12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)		
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	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)		
Dimension	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 0.5dB 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.

DIMENSION DRAWING (H STAGE)



ORDERING INFORMATION (PN)

FHWM-98(C)C	C	(C)	(C)	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC	
<i>Signal</i>	<i>Stage</i>	<i>Pump Type</i>	<i>Pump Fiber</i>	<i>Common Fiber</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
Wavelength	S=Single Stage	F=Forward	Y=Same Fiber	M=Same Fiber	03=300mW	01=100W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
L=L Band	D=Dual Stage	B=Backward	Blank for	Blank for	1=1W	1=1kW	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
Blank for C Band	H=H Stage		HI1060 Fiber	HI1060 Fiber	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

