

915/1550/1590nm 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

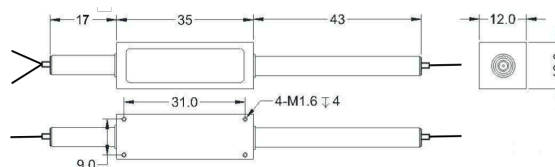


SPECIFICATIONS

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	915+/-10		
Insertion Loss	Signal Channel@ λ_1	dB	≤1.3	≤1.4
	Pump Channel@ λ_2	dB	≤1.0	
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:**
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)

Signal	Stage	Pump Type	Pump Fiber	Common Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
FHWM-91(C)C	C	(C)	(C)	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC	
<i>Wavelength</i>	S=Single Stage	F=Forward	Y=Same Fiber	S=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	H=HI1060 Fiber	M=HI1060 Fiber	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		Blank for HI780 Fiber	Blank for HI780 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

