

980/1550/1590nm WDM/Isolator Hybrid Filter

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- Research Labs



SPECIFICATIONS

Parameters	Unit	Single Stage	Dual 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	≤1.3	≤1.4
	Pump Channel@ λ_2	≤0.8	
Signal Isolation (Signal Channel@ λ_1)	dB	≥28	≥45
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) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
	Common & Pump Port	Same Fiber or HI1060 Fiber	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm (Ø)5.5x35	
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 0.5dB higher, RL is 5dB lower.

3. 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.

ORDERING INFORMATION (PN)

FHWM-98(C)C	C	(C)	(C)	-	(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>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	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	<i>Blank</i> for	<i>Blank</i> for	<i>Blank</i> for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
<i>Blank</i> for C Band			HI1060 Fiber	HI1060 Fiber		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
						<i>Blank</i> for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector