1500~1600/2000nm WDM/Iso/Tap Hybrid Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Signal Wavelength Range λ1		nm	2000±20	
Pump Wavelength Range λ2		nm	1530±20, 1550±20, 1570±20, 1590±20	
Excess Loss	Signal Channel@λ1	dB	≤1.8	≤2.2
Insertion Loss	Pump Channel@λ2	dB	≤1.0	
Signal Tap Ratio		%	1±0.5, 2±0.7, 5±1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@λ1, 23°C)		dB	≥16	≥35
Wavelength Isolation	Signal Channel@λ2	dB	≥25	
	Pump Channel@λ1	dB	≥12	
Optical Return Loss		dB	≥45	
PDL		dB	≤0.2	
Pump Type		-	Forward Pump	
Fiber Type		-	SMF-28 Fiber or SM1950 Fiber (V)	
		-	10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40	
	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, ER is 2dB Lower, Connector key is aligned to slow axis.

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)

FHWT-NN NN - C NN -(C) (C) C NN - CC/CCC

Pump WL	Signal WL	Stage	Tap Ratio	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
53=1530nm	20=2000nm	S=Single Stage	01= 1%	M=Metal Box	V= SM1950 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
15=1550nm		D=Dual Stage	05=5%	*Blank* for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
57=1570nm			10=10%		R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
59=1590nm			50=50%		*Blank* for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector