

1480/1550/1590nm 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 λ_1		nm	1530-1570 (C-Band), 1570-1610 (L-Band)	
Pump Wavelength Range λ_2		nm	1450-1490	
Excess Loss	Signal Channel@ λ_1	dB	≤ 1.1	≤ 1.3
Insertion Loss	Pump Channel@ λ_2	dB	≤ 0.8	
Signal Tap Ratio		%	1 \pm 0.5, 2 \pm 0.7, 5 \pm 1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@ λ_1 , 23°C)		dB	≥ 28	≥ 45
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25	
	Pump Channel@ λ_1	dB	≥ 12	
Optical Return Loss		dB	≥ 45	
PDL		dB	≤ 0.2	
Pump Type		-	Forward Pump	
Fiber Type	Common&Signal & Tap Port	-	SMF-28 Fiber, 10/130um DC Fiber (O)	
		-	12/130um DC Fiber (T), 20/130um DC Fiber (Q)	
	-	25/250um DC Fiber (R), 25/300um DC Fiber (G)		
	Pump Port	-	Same Fiber or SMF-28 Fiber	
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	$(\varnothing)5.5 \times 40$	
	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. 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-14(C)	C	NN	-(C)	-(C)	(C)	C	NN	- CC/CCC
Signal WL	Stage	Tap Ratio	Pump Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
L-L Band	S=Single Stage	01= 1%	S=SMF-28 Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
Blank for C Band	D=Dual Stage	05=5%	Blank for Same Fiber	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		10=10%			R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%			Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector