1480/1550/1590nm WDM/Iso/Tap Hybrid Filter for Pulse Power

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	H Stage
Signal Wavelength Range λ1		nm	1530-1570 (C-Band),1570-1610 (L-Band)		
Pump Wavelength Range λ2		nm	1450-1490		
Excess Loss	Signal Channel@λ1	dB	≤1.1	≤1.3	≤1.5
Insertion Loss	Pump Channel@λ2	dB	≤0.8		
Signal Tap Ratio		%	1±0.5, 2±0.7, 5±1, 10, 20, 30, 40, 50		
Signal Isolation (Signal Channel@λ1, 23°C)		dB	≥28	≥45	≥25
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	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 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, 3, 5, 10, 15, 20		
Operating Temperature		°C	0~50		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40 (≤5W); (Ø)6.0x48 (5~10W)		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

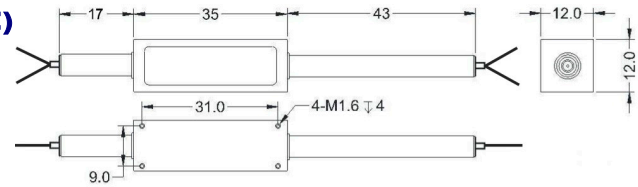
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. 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.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FHWT-14(C) C NN - (C) -H NN P NN -(C) (C) C NN - CC/CCC

Signal WL	Stage	Tap Ratio	Pump Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
L=L Band	S=Single Stage	01= 1%	S=SMF-28 Fiber	03=300mW	01=100W	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	1= 1W	1= 1kW	*Blank* for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H=H Stage	10=10%		10=10W	10=10kW	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
		50=50%		20=20W	20=20kW		*Blank* for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector