1550nm BP Filter/Tap Hybrid for Pulse Power (≥7nm BW)

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameters		Unit	Value
Center Wavelength		nm	1550
Min. Pass Band Width @ 0.5dB		nm	7.0, 10, 15, 20
Excess Loss		dB	≤1.6
Stop Band @25dB	7nm Bandwidth	nm	1520~1543 & 1557~1610
	10nm Bandwidth		1520~1540 & 1560~1610
	15nm Bandwidth		1500~1537 & 1563~1610
	20nm Bandwidth		1500~1533 & 1567~1610
Tap Ratio		%	1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50%
Tap Position	F Type (Forward)	-	Tap is before Bandpass Filter, Y Type (3-port)
Optical Return Loss		dB	≥50
PDL		dB	≤0.15
Fiber Type		-	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)
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, 3, 5, 10, 15, 20
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)

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.

ORDERING INFORMATION (PN)

FHBT-1550-NN NN C -H NN P NN - (C) (C) C NN - CC/CCC

Bandwidth	*Tap Ratio*	*Tap Port Fiber*	*Average Power*	*Peak Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
70=7nm	01= 1%	Y=Same Fiber	03=300mW	01=100W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
100=10nm	05=5%	5=50/125um Fiber	1= 1W	1= 1kW	*Blank* for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
150=15nm	10=10%		5= 5W	5= 5kW	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
200=20nm	50=50%		10=10W	10=10kW		*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector