

## 1550nm Bandpass Filter/Tap Hybrid (<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	0.3, 0.7, 2.0, 3.0, 4.0, 5.0
Excess Loss	dB	≤1.6
Stop Band @25dB	0.3nm Bandwidth	1520~1549 & 1551~1610
	0.7nm Bandwidth	1520~1548 & 1552~1610
	2nm Bandwidth	1520~1547 & 1553~1610
	3nm Bandwidth	1520~1546 & 1554~1610
	4nm Bandwidth	1520~1545 & 1555~1610
	5nm Bandwidth	1520~1544 & 1556~1610
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. Optical Power (CW)	mW	300
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package	Stainless Steel Tube (SST)	mm (Ø)5.5x40
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 0.3dB 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	-(C)	(C)	C	NN	-CC/CCC
Bandwidth	Tap Ratio	Tap Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
03=0.3nm	01=1%	Y=Same Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
20=2nm	05=5%	5=50/125um Fiber	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
30=3nm	10=10%			G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
50=5nm	50=50%			Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector