

## 1103nm Bandpass Filter/Tap Hybrid

### FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ High Reliability and Stability
- ▣ Various Bandwidth
- ▣ High Optical Power

### APPLICATIONS

- ▣ Broadband Systems
- ▣ Optical Amplifying Systems
- ▣ Telecommunication Networks
- ▣ Laser Systems
- ▣ Research Labs



### SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1103	
Min. Pass Band Width @ 0.5dB	nm	10.0	
Excess Loss	dB	≤1.6	
Stop Wavelength (ASE)	nm	1000~1093&1113~1150	
Stop Wavelength (ASE) Isolation	dB	Standard: ≥25; High Isolation ≥45	
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	Input&Output	- HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
	Tap Port	- Same Fiber, HI1060 Fiber or MM Fiber	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x <sup>L</sup> 40
	Metal Box	mm	<sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB 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.
  4. Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

<b>FHBT-1103-NNN(C)</b>	<b>NN</b>	<b>C</b>	<b>- (C)</b>	<b>(C)</b>	<b>C</b>	<b>NN</b>	<b>- CC/CCC</b>	
<i>Bandwidth</i>	<i>ASE Iso</i>	<i>Tap Ratio</i>	<i>Tap Port Fiber</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
100~10nm	I=High Isolation Blank for Standard	01=1% 05=5% 10=10% 50=50%	Y=Same Fiber H=HI1060 Fiber 5=50/125um Fiber	M=Metal Box Blank for SST	E=10/125 SC Fiber Q=20/130 DC Fiber R=25/250 DC Fiber Blank for HI1060 Fiber	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector