

1080nm BP Filter/Tap Hybrid for Pulse Power

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	1080	
Min. Pass Band Width @ 0.5dB	nm	5.0	
Excess Loss	dB	≤1.6	
Stop Wavelength (ASE)	nm	1030-1070&1090-1150	
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	-	
		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. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
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	∅5.5x ^L 40 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	^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 0.5dB 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.

5. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FHBT-1080-NN (C) NN C - H NN P NN -(C) (C) C NN - CC/CCC

Bandwidth	ASE Iso	Tap Ratio	Tap Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
50~5nm	I-High Isolation	01=1% 05=5% 10=10% 50=50%	Y=Same Fiber H=HI1060 Fiber 5=50/125um Fiber	03=300mW 1=1W 5=5W 10=10W	01=100W 1=1kW 5=5kW 10=10kW	M=Metal Box Blank for SST or >10W	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