

1083nm 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	1083
Min. Pass Band Width @ 0.5dB	nm	8.0
Excess Loss	dB	≤1.6
Stop Wavelength (ASE)	nm	1000~1076&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	-
Optical Return Loss	dB	≥50
PDL	dB	≤0.15
Fiber Type	Input&Output	-
	Tap Port	-
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
	Metal Box	mm

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-1083-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
80~8nm	I-High Isolation	01~1%	Y-Same Fiber	03~300mW	01~100W	M-Metal Box	E-10/125 SC Fiber	B- Bare fiber	05~0.5m	N-Without Connector
		05~5%	H-HI1060 Fiber	1~1W	1~1kW	Blank for SST	Q-20/130 DC Fiber	L- Loose Tube	10~1.0m	FC/APC=FC/APC Connector
	Blank for Standard	10~10%	5=50/125um Fiber	5~5W	5~5kW	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15~1.5m	LC/PC=LC/PC Connector
		50~50%		10~10W	10~10kW		Blank for HI1060 Fiber	3= 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector