1083nm High Power BP 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	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 (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)		W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL40 (≤5W); Ø6.0xL50 (5~10W)
	Metal Box	mm	L120xW12xH10 (≤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-1083-NN (C) NN C - HP NN - (C) (C) C NN - CC/CCC

Bandwidth	ASE Iso	Tap Ratio	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
80=8nm	I=High Isolation	01= 1%	Y=Same Fiber	1= 1W	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	Blank for Standard	05=5%	H=HI1060 Fiber	5= 5W	*Blank* for SST or >10W	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		10=10%	5=50/125um Fiber	10=10W		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%		20=20W		*Blank* for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector