1078nm High Power PM 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	1078
Min. Pass Band Width @ 0.5dB		nm	9.0
Excess Loss		dB	≤1.6
Stop Wavelength (ASE)		nm	1000~1069&1087~1120
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), Both axis working
	S Type	-	Tap is before Bandpass Filter, Y Type (3-port), Only Slow axis working
	B Type	-	Tap is after Bandpass Filter, Y Type (3-port), Only slow axis working
	X Type	-	Tap is after Bandpass Filter, 4-port, Only Slow axis working (Blocked Wavelength Guide Out)
Optical Return Loss		dB	≥50
Extinction Ratio		dB	≥18
Fiber Type	Input&Output	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
			10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
	Tap Port or 4th Port	-	Same Fiber, Corr. SM 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, ER is 2dB Lower, Connector key is aligned to slow axis.

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. Suggest to use X type if blocked power is >1W.

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

ORDERING INFORMATION (PN)

FPHB-1078-NN(C) NN (C) - C (C) - HP NN - (C) C C NN - CC/CCC

Bandwidth	ASE Iso	Tap Ratio	Position	Tap Port Fiber	4th Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
90=9nm	I=High Isolation	01= 1%	F=F Type	Y=Same Fiber	Y=Same Fiber	1= 1W	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	Blank for Standard	05=5%	S=S Type	S=Corr. SM Fiber	S=Corr. SM Fiber	5= 5W	Blank for SST or >10W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		10=10%	X=X Type	5=50/125um Fiber	5=50/125um Fiber	10=10W		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%	Blank for B Type		Blank for F/S/B Type	20=20mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector