

1040nm 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	1040
Min. Pass Band Width @ 0.5dB	nm	2.0, 5.0, 8.0, 12
Excess Loss	dB	≤1.6
Stop wavelength (ASE)	2nm Bandwidth	1000~1037&1043~1100
	5nm Bandwidth	1000~1034&1046~1100
	8nm Bandwidth	1000~1032&1048~1100
	12nm Bandwidth	1000~1027&1053~1100
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 4 th Port	Same Fiber, Corr. SM 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	Stainless Steel Tube (SST)	∅5.5x ^L 40 (≤5W); ∅6.0x ^L 50 (5~10W)
Dimension	Metal Box	^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, ER is 2dB Lower, Connector key is aligned to slow axis.

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)

FPHB-1040-NN(C) NN (C) - C (C) - (C) C C NN - CC/CCC

Bandwidth	ASE Iso	Tap Ratio	Position	Tap Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
20=2nm	I=High Isolation	01=1%	F=F Type	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
50=5nm	Blank for	05=5%	S=S Type	S=Corr. SM Fiber	S=Corr. SM Fiber	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
80=8nm	Standard	10=10%	X=X Type	S=50/125um Fiber	S=50/125um Fiber		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
120=12nm		50=50%	Blank for B Type	Blank for B Type	Blank for F/S/B Type		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

