

1030nm PM 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	1030
Min. Pass Band Width @ 0.5dB		nm	1.3, 2.0, 4.0, 6.0, 9.0, 12, 20
Excess Loss		dB	≤1.6
Stop Band @25dB	1.3nm Bandwidth	nm	1000~1027&1033~1100
	2nm Bandwidth	nm	1000~1026&1034~1100
	4nm Bandwidth	nm	1000~1025&1035~1100
	6nm Bandwidth	nm	1000~1023&1037~1100
	9nm Bandwidth	nm	1000~1021&1039~1100
	12nm Bandwidth	nm	1000~1018&1042~1100
	20nm Bandwidth	nm	960~1014&1046~1100
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)
	Tap Port or 4 th Port	-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
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	Stainless Steel Tube (SST)	mm	∅5.5x ^L 40 (≤5W); ∅6.0x ^L 50 (5~10W)
Dimension	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, 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-1030-NN(C)NN(C) - C (C) -H NN P NN -(C) C C NN -CC/CCC												
Bandwidth	ASE Iso	Tap Ratio	Position	Tap Port Fiber	4th Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
20~2nm	I=High	01=1%	F=F Type	Y=Same Fiber	Y=Same Fiber	03=300mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
40~4nm	Isolation	05=5%	S=S Type	S=Corr. SM Fiber	S=Corr. SM Fiber	1= 1W	1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
90~9nm	Blank for	10=10%	X=X Type	S=50/125um Fiber	S=50/125um Fiber	5= 5W	5= 5kW	or >10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
200~20nm	Standard	50=50%	Blank for B Type	Blank for F/S/B Type	Blank for F/S/B Type	10=10W	10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

