

## 1045nm 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	1045
Min. Pass Band Width @ 0.5dB	nm	2.0, 5.0
Excess Loss	dB	≤1.6
Stop wavelength (ASE) 2nm Bandwidth	nm	960~1041&1049~1120
Stop wavelength (ASE) 5nm Bandwidth	nm	960~1038&1052~1120
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 4 <sup>th</sup> 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)	∅5.5xL40 (≤5W); ∅6.0xL50 (5~10W)
Dimension	Metal Box	L120xW12xH10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - 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.
  - Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

FPHB-1045-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	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	Isolation	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
	Blank for	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
	Standard	50=50%	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

