

1053nm 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	1053
Min. Pass Band Width @ 0.5dB		nm	1.0, 2.0, 4.0
Excess Loss		dB	≤1.6
Stop wavelength (ASE)	1nm Bandwidth	nm	1000~1051&1055~1100
	2nm Bandwidth	nm	1000~1049&1057~1100
	4nm Bandwidth	nm	1000~1047&1059~1100
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)	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. 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-1053-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
10-1nm	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
20-2nm	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
40-4nm	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

