

1556nm PM Bandpass 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	1556
Min. Pass Band Width @ 0.5dB		nm	0.12, 0.3, 0.7, 2.5, 8.0, 20
Excess Loss		dB	≤1.8
Stop Band @25dB	0.12nm Bandwidth	nm	1500~1555.4 & 1556.6-1610
	0.3nm Bandwidth	nm	1500~1555 & 1557-1610
	0.7nm Bandwidth	nm	1500~1554.5 & 1557.5-1610
	2.5nm Bandwidth	nm	1500~1553 & 1559-1610
	8nm Bandwidth	nm	1500~1548 & 1564-1610
	20nm Bandwidth	nm	1500~1542 & 1570-1610
Tap Ratio		%	0.1%, 1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50%
Tap Position	F Type (Forward)	-	Tap is before Bandpass Filter, Y Type (3-port)
	B Type (Backward)	-	Tap is after Bandpass Filter, Y Type (3-port)
	X Type	-	Tap is after Bandpass Filter, 4-port, (Blocked Wavelength Guide Out)
Fiber Type at Tap Port or 4 th Port		-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber
Optical Return Loss		dB	≥50
Extinction Ratio		dB	≥18
Fiber Type	Input&Output	-	PM1550 Panda Fiber or 10/125um PMDC Fiber NA=0.08 (O)
			10/130um PMDC Fiber NA=0.15 (O2) or 12/130um PMDC Fiber
			25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
ASE Guide Out (Y/X Type)		-	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
Dimension	Metal Box	mm	^L 120x ^W 12x ^H 10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB 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. Backward type can only work in slow axis and fast axis is blocked. Suggest to use X type if blocked power is >1W.

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

ORDERING INFORMATION (PN)

FPHB-1556-NN NN		(C)	-	C	(C)	-	(C)	C	C	NN	-	CC/CCC
Bandwidth	Tap Ratio	Position	Tap Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
03=0.3nm	01=1%	F=F Type	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector			
25=2.5nm	05=5%	X=X Type	S=Corr. SM Fiber	S=Corr. SM Fiber	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
80=8nm	10=10%	Blank for B Type	S=50/125um Fiber	S=50/125um Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
200=20nm	50=50%			Blank for F&B Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector			

