1556nm PM Bandpass Filter/Isolator Hybrid

FEATURES

- Low Insertion Loss
- Various Bandwidth
- High Reliability and Stability

APPLICATIONS

- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs

SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Center Wavelength		nm	1556	
Min. Pass Band Width @ 0.5dB		nm	2.0, 8.0, 15.0	
Stop Band @ 25dB	2nm Bandwidth	nm	1500~1553 & 1559-1610	
	8nm Bandwidth	nm	1500~1548 & 1564-1610	
	15nm Bandwidth	nm	1500~1544 & 1568-1610	
Insertion Loss@23°C		dB	≤1.2	≤1.4
Signal Isolation (23°C)		dB	≥28	≥40
Configuration	D Type	-	2-port	
	Y Type	-	3-port, (Blocked Wavelength Guide Out)	
	X Type	-	4-port, (Both Block Wavelength Guide Out)	
Fiber Type at 3rd or 4th Port (Y/X Type)		-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
ASE Direction	Forward Type	-	Bandpass Filter is before isolator	
	Backward Type	-	Bandpass Filter is after isolator	
	Twin Type	-	Bandpass Filter is at both sides of isolator	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥20	
Work Mode	S Type	-	Can only work in slow axis	
	F Type		Can work both in slow axis and fast axis	
Fiber Type		-	PM1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35	
	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. Suggest to use Y or X type if blocked optical power is >1W.

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.

ORDERING INFORMATION (PN)

FHBP-1556-C NN C C - (C) (C) - (C) C C NN - CC/CCC

Stage	Bandwidth	ASE Type	Work Mode	3rd Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	20=2nm	F= Forward	S= S Type	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage	80=8nm	B=Backward	F= F Type	S=Corr. SM Fiber	S=Corr. SM Fiber	*Blank* for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	150=15nm	T=Twin		5=50/125um Fiber	5=50/125um Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				Blank for D Type	*Blank* for D&Y Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector