1050nm PM Bandpass Filter/Isolator 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	Single Stage	Dual Stage
Center Wavelength		nm	1050	
Min. Pass Band Width @ 0.5dB		nm	2.0, 11	
Stop wavelength (ASE)	2nm Bandwidth	nm	1000~1046&1054~1120	
	11nm Bandwidth	nm	1000~1039&1061~1120	
Insertion Loss@23°C		dB	≤2.8	≤4.3
Signal Isolation (23°C)		dB	≥25	≥45
Stop Wavelength (ASE) Isolation	Standard	dB	≥25	
	High Isolation	dB	≥45	
ASE Direction		-	F: Forward, B: Backward, T: Two-way	
Configuration		-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	
Work Mode	S Type	-	Can only work in slow axis	
	F Type		Can work both in slow axis and fast axis	
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)	
	ASE Guide Out (Y/X Type)	-	Same Fiber, Corr. SM Fiber or MM Fiber	
Max. Average Optical Power		mW	200	
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 Dimension	Stainless Steel Tube (SST)	mm	$^{\Phi}$5.5x^{L}35	
	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 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 200mW 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. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FHBP-1050-C NN (C) (C) C - (C) (C) -HNN PNN -(C) C C NN - CC/CCC

Stage	Bandwidth	ASE Type	ASE Iso	Work Mode	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	20=2nm	B=Backward	I=High	S= S Type	Y=Same Fiber	Y=Same Fiber	02=200mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage	110=11nm	T=Two-way	Isolation	F= F Type	A=105/125um Fiber	A=105/125um Fiber		1= 1kW	*Blank* for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		Blank for Forward	*Blank* for		N=None	5=50/125um Fiber		5= 5kW		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			Standard		*Blank* for D Type	*Blank* for None/D Type		10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector