

1304nm High Power PM BP/Isolator 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	Single Stage	Dual Stage
Center Wavelength	nm	1304	
Min. Pass Band Width @ 0.5dB	nm	15.0	
Stop Wavelength (ASE)	nm	1250~1292 & 1316-1360	
Insertion Loss@23°C	dB	≤1.2	≤1.4
Signal Isolation (23°C)	dB	≥28	≥40
Stop Wavelength (ASE) Isolation	dB	Standard: ≥25; High Isolation: ≥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	-	PM1310 Panda Fiber or 10/125um PMDC Fiber NA=0.08 (O)
		-	10/130um PMDC Fiber NA=0.15 (O2) or 12/130um PMDC Fiber (T)
	ASE Guide Out (Y/X Type)	-	25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
Max. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30	
Max. Backward Signal Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10	
Max. ASE Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 38 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	H: ^L 90x ^W 12x ^H 10 (>10W); M: ^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 0.3dB 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. 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.

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

ORDERING INFORMATION (PN)

FHBP-1304-C NNN(C)(C) C - (C) (C) (C) -HPNN-(NN/NN)-(C) C C NN -CC/CCC

Stage	Bandwidth	ASE Type	ASE Iso	Work Mode	Fwd ASE Fiber	Bwd ASE Fiber	Bwd Signal	Optical Power	ASE/Bwd Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	150~15nm	B=Backward	I=High	S= S Type	Y=Same Fiber	Y=Same Fiber	Guide Out	1= 1W	1= 1W	M= Metal Box	2=PM1310Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage		T=Two-way	Isolation	F= F Type	A=105/125um Fiber	A=105/125um Fiber	Y=Yes	3=3W	5= 5W	H=H Box	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		Blank for Forward	Blank for		N=None	5=50/125um Fiber	Blank for No	5= 5W	10=10W	Blank for SST	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			Standard		Blank for D Type	Blank for None/D Type		10=10W	Blank for 300mW		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

