

1290nm High Power PM BP/Isolator Hybrid

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs



SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1290	
Min. Pass Band Width @ 0.5dB	nm	15.0	
Stop Band @ 25dB	nm	1250~1278 & 1304-1360	
Insertion Loss@23°C	dB	≤1.4	≤1.6
Signal Isolation (23°C)	dB	≥22	≥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 3 rd or 4 th 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	≥18	
Work Mode	S Type	-	Can only work in slow axis
	F Type	-	Can work both in slow axis and fast axis
Fiber Type	-	PM1310 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	1, 2, 3, 5, 10	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
Dimension	Metal Box	mm	(L)120x(W)12x(H)10

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Suggest to use Y or X type if blocked optical power is >1W.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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-1290-C NNN C C - (C) (C) -HP NN -(C) C C NN -CC/CCC

Stage	Bandwidth	ASE Type	Work Mode	3rd Port Fiber	4th Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	150~15nm	F= Forward	S= S Type	Y=Same Fiber	Y=Same Fiber	1= 1W	M= Metal Box	2= PM1310 Fiber	B= Bare fiber	05=0.5m	N= Without Connector
D= Dual Stage		B= Backward	F= F Type	S= Corr. SM Fiber	S= Corr. SM Fiber	5= 5W	Blank for SST	0= 10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		T= Twin		5= 50/125um Fiber	5= 50/125um Fiber	10= 10W	or >10W	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	20= 20W		G= 25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

