

1030nm PM BP/Isolator Hybrid for Pulse Power (≥ 10 nm BW)

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks



SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1030	
Min. Pass Band Width @ 0.5dB	nm	10, 13, 20	
Stop Band @25dB	10nm Bandwidth	nm	1000~1020&1040~1100
	13nm Bandwidth		1000~1018&1042~1100
	20nm Bandwidth		960~1014&1046~1100
Insertion Loss@23°C	dB	≤ 4.6	≤ 8.3
Signal Isolation (23°C)	dB	≥ 20	≥ 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	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Max. Average Optical Power	mW	50	
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	Stainless Steel Tube (SST)	mm	(Φ)5.5x35
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 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 50mW 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-1030-C NNN C C - (C) (C) -H NNN P NN -(C) C C NN -CC/CCC

Stage	Bandwidth	ASE Type	Work Mode	3rd Port Fiber	4th Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	100=10nm	F= Forward	S= S Type	Y=Same Fiber	Y=Same Fiber	005=50mW	01=100W	M= Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage	130=13nm	B=Backward	F= F Type	S=Corr. SM Fiber	S=Corr. SM Fiber		1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	200=20nm	T=Twin		5=50/125um Fiber	5=50/125um Fiber		5= 5kW		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				Blank for D Type	Blank for D&Y Type		10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

