

1290nm PM BP Filter/Tap Hybrid for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks



SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1290	
Min. Pass Band Width @ 0.5dB	nm	15.0	
Excess Loss	dB	≤1.8	
Stop Band @25dB	nm	1250~1278 & 1304-1360	
Tap Ratio	%	1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50%	
Tap Position	F Type (Forward)	Tap is before Bandpass Filter, Y Type (3-port)	
	B Type (Backward)	Tap is after Bandpass Filter, Y Type (3-port)	
	X Type	Tap is after Bandpass Filter, 4-port, (Blocked Wavelength Guide Out)	
Fiber Type at Tap Port or 4 th Port	-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	
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)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
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	(Ø)5.5x40 (≤5W); (Ø)6.0x48 (5~10W)
Dimension	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (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. Only guarantee 1W 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. Backward type can only work in slow axis and fast axis is blocked. Suggest to use X type if blocked power is >1W.

ORDERING INFORMATION (PN)

FPHB-1290-NN NN (C) - C (C) - H NN P NN - (C) C C NN -CC/CCC
<i>Bandwidth Tap Ratio Position Tap Port Fiber 4th Port Fiber Average Power Peak Power Package Fiber Type Fiber Sleeve Fiber Length Connector Type</i>
150=15nm 01=1% F=FType Y=Same Fiber Y=Same Fiber 03=300mW 01=100W M=Metal Box 2=PM1310Fiber B= Bare fiber 05=0.5m N=Without Connector
05=5% X=XType S=Corr. SM Fiber S=Corr. SM Fiber 1= 1W 1= 1kW Blank for SST 0=10/125 PMDC Fiber L= Loose Tube 10=1.0m FC/APC=FC/APC Connector
10=10% Blank for B Type 5=50/125um Fiber 5=50/125um Fiber 5= 5W 5= 5kW or >10W T=12/130 PMDC Fiber 2= 2mm Cable 15=1.5m LC/PC=LC/PC Connector
50=50% Blank for F&B Type 10=10W 10=10kW G=25/300 PMDC Fiber 3= 3mm Cable 20=2.0m SC/UPC=SC/UPC Connector