

## 1080nm 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	1080	
Min. Pass Band Width @ 0.5dB	nm	5.0	
Stop Wavelength (ASE)	nm	1030-1070&1090-1150	
Insertion Loss@23°C	dB	≤1.9	≤3.4
Signal Isolation (23°C)	dB	≥25	≥40
Stop Wavelength (ASE) Isolation	Standard	dB	
	High Isolation	≥25	
ASE Direction	-	F: Forward, B: Backward, T: Two-way	
Configuration	-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss	dB	≥45	
PDL	dB	≤0.3	
Fiber Type	Input&Output	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	ASE Guide Out (Y/X Type)	-	Same Fiber or MM Fiber
Max. Average Optical Power	mW	300	
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	Φ5.5xL35
	Metal Box	mm	L120xW12xH10

- 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.
  3. Only guarantee 300mW 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)

<b>FHBI-1080-C NN (C) (C) - (C) (C) -H NN PNN -(C) (C) C NN -CC/CCC</b>																																																																	
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