1021nm BP Filter/Tap 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

Center Wavelength nm 1021 Min. Pass Band Width @ 0.5dB nm 6.0 Excess Loss dB ≤1.6 Stop Wavelength (ASE) nm 1000~1015&1027~1100 Stop Wavelength (ASE) Isolation dB Standard: ≥25; High Isolation ≥45 Tap Ratio % 1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50% Tap Position F Type - Tap is before Bandpass Filter, Y Type (3-port) Optical Return Loss dB ≥50 PDL dB ≤0.15 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 (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R) Same Fiber, HI1060 Fiber or MM Fiber Fiber Tensile Load N 5 Max. Average Optical Power W 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60 Max. Peak Power for pulse kW 0.1, 1, 2, 3, 5, 10, 15, 20 Operating Temperature °C 0~50	Parameters			Value		
Excess Loss dB ≤1.6 Stop Wavelength (ASE) nm 1000~1015&1027~1100 Stop Wavelength (ASE) Isolation dB Standard: ≥25; High Isolation ≥45 Tap Ratio % 1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50% Tap Position F Type - Tap is before Bandpass Filter, Y Type (3-port) Optical Return Loss dB ≥50 PDL dB ≤0.15 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) Tap Port - Same Fiber, HI1060 Fiber or MM Fiber Fiber Tensile Load N 5 Max. Average Optical Power W 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60 Max. Peak Power for pulse kW 0.1, 1, 2, 3, 5, 10, 15, 20	Center Wavelength			1021		
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Optical Return Loss dB ≥50 PDL dB ≤0.15 Fiber Type Input&Output - Input&Output <td< td=""><td colspan="3">Tap Ratio</td><td colspan="3">1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50%</td></td<>	Tap Ratio			1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 50%		
PDL AB ≤0.15 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) Tap Port - Same Fiber, HI1060 Fiber or MM Fiber Fiber Tensile Load N 5 Max. Average Optical Power W 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60 Max. Peak Power for pulse kW 0.1, 1, 2, 3, 5, 10, 15, 20	Tap Position	F Type	-	Tap is before Bandpass Filter, Y Type (3-port)		
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Fiber Type Input&Output - 10/125um DC Fiber (0), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R) Tap Port - Same Fiber, HI1060 Fiber or MM Fiber Fiber Tensile Load N 5 Max. Average Optical Power W 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60 Max. Peak Power for pulse kW 0.1, 1, 2, 3, 5, 10, 15, 20	PDL		dB	≤0.15		
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	Max. Average Optical Power			0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60		
Operating Temperature °C 0~50	Max. Peak Power for pulse			0.1, 1, 2, 3, 5, 10, 15, 20		
	Operating Temperature			0~50		
Storage Temperature °C -40~85	Storage Temperature			-40~85		
Stainless Steel Tube (SST) mm ^Ø 5.5x [⊥] 40 (≤5W); ^Ø 6.0x [⊥] 50 (5~10W)	Package Dimension	Stainless Steel Tube (SST)	mm	[∅] 5.5x ^L 40 (≤5W); [∅] 6.0x ^L 50 (5~10W)		
Metal Box mm L120xW12xH10 (≤10W)		Metal Box	mm	^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 0.5dB higher, RL is 5dB lower.
- 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. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FHBT-1021-NN(C) NN		С	- H NN	P NN	- (<mark>C</mark>)	(C)	С	NN	- CC/CCC	
Bandwidth	ASE Iso	Tap Ratio	Tap Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
60=6nm	l=High	01-1%	Y=Same Fiber	03=300mW	<mark>01</mark> -100W	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	<mark>05=</mark> 0.5m	N-Without Connector
	Isolation	05= 5%	H=HI1060 Fiber	1- 1W	1- 1kW	<i>Blank</i> for SST	Q= 20/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	<i>Blank</i> for	10=10%	5=50/125um Fiber	5= 5W	5= 5kW	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	Standard	50= 50%		10-10W	10-10kW		<i>Blank</i> for HI1060 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector



