

1030nm Bandpass Filter for Pulse Power

FEATURES

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

APPLICATIONS

- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs
- Sensing System



SPECIFICATIONS

Parameters		Unit	Value
Center Wavelength		nm	1030
Min. Pass Band Width @ 0.5dB		nm	1.3, 2.0, 4.0, 6.0, 9.0, 10, 12, 20
Insertion Loss over Pass Band Wavelength		dB	≤1.2
Stop Wavelength (ASE)	1.3nm Bandwidth	nm	1000~1028&1032~1100
	2nm Bandwidth	nm	1000~1027&1033~1100
	4nm Bandwidth	nm	1000~1024&1034~1100
	6nm Bandwidth	nm	1000~1024&1036~1100
	9nm Bandwidth	nm	1000~1022&1038~1100
	10nm Bandwidth	nm	1000~1021&1039~1100
	12nm Bandwidth	nm	1000~1018&1042~1100
	20nm Bandwidth	nm	960~1014&1046~1100
Stop Wavelength	Standard	dB	≥25
(ASE) Isolation	High Isolation	dB	≥45
ASE Direction		-	F: Forward, B: Backward, T: Two-way
Configuration		-	D: 2-port, Y: 3-port, X: 4-port
Optical Return Loss		dB	≥50
Polarization Dependent Loss		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 (Q) or 25/250um DC Fiber (R)
ASE Guide Out (Y/X Type)		-	Same Fiber or MM Fiber
Fiber Tensile Load		N	5
Max. Average Optical Power (ASE+Signal)		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50 ,60, 80, 100
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
Max. ASE Average Power		W	0.3, 0.5, 1, 2, 3, 4, 5, 10
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 38 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	^H : ^L 90x ^W 12x ^H 10 (>10W); ^M : ^L 120x ^W 12x ^H 10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
 - Suggest to use Y/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.
 - Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FFBP-1030-NN(C) (C)- (C) (C) - H NN P NN -(NN) -(C) (C) C NN -CC/CCC													
Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
20~2nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	03~300mW	01~100W	1~1W	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05~0.5m	N=Without Connector	
60~6nm	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	1~1W	1~1kW	5~5W	H=H Box	Q=20/130 DC Fiber	L= Loose Tube	10~1.0m	FC/APC=FC/APC Connector	
90~9nm	Blank for Forward	Blank for	N=None	S=50/125um Fiber	5~5W	10~10kW	10~10W	Blank for SST	R=25/250 DC Fiber	2= 2mm Cable	15~1.5m	LC/PC=LC/PC Connector	
200~20nm		Standard	Blank for D Type	Blank for None/D Type	20~20W	20~20kW	Blank for 300mW		Blank for HI1060 Fiber	3= 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector	

