

1031nm Multimode Bandpass Filter 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
- Research Labs
- Laser Systems



SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1031	
Min. Pass Band Width @ 0.5dB	nm	8.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	nm	960~1021&1041~1100	
Stop Wavelength (ASE) Isolation	Standard High Isolation	dB dB	≥25 ≥45
ASE Direction	-	F: Forward, B: Backward, T: Two-way	
Configuration	-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss	dB	≥30	
Fiber Type	Input&Output	-	50/125um or 62.5/125um MM Fiber
		-	50/125um MM OM3 Fiber
		-	105/125um MM Fiber
	ASE Guide Out (Y/X Type)	-	Same 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 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	^L 90x ^W 12x ^H 10 (>10W); ^L 120x ^W 12x ^H 10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 10dB lower.
 - Specifications are tested at low order modes.
 - Suggest to use Y/X type or H Box 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.
 - Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FMBP-1031-NN(C)(C) (C) (C) - H NN PNN -(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
80-8nm	B-Backward	I-High	Y-Same Fiber	Y-Same Fiber	03-300mW	01-100W	1-1W	M-Metal Box	5- 50/125um MM Fiber	B- Bare fiber	05-0.5m	N-Without Connector
	T-Two-way	Isolation	N=None	Blank for None or D Type	1-1W	1-1kW	5-5W	H-H Box	6- 62.5/125um MM Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
	Blank for Forward	Blank for	Blank for D Type		5-5W	10-10kW	10-10W	Blank for SST	3- OM3 MM Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
		Standard			20-20W	20-20kW	Blank for 300mW		A- 105/125um, NA=0.22	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector
									B=105/125um, NA=0.15			