

1064nm 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
- Laser Systems
- Research Labs



Specifications

Parameters	Unit	Value	
Center Wavelength	nm	1064	
Min. Pass Band Width @ 0.5dB	nm	0.5, 2.0, 5.0, 6.0, 9.0, 17.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	0.5nm Bandwidth	nm	1000~1063&1065~1100
	2nm Bandwidth	nm	1000~1060&1068~1100
	5nm Bandwidth	nm	1000~1058&1070~1100
	6nm Bandwidth	nm	1000~1057&1071~1100
	9nm Bandwidth	nm	1000~1055&1073~1100
	17nm Bandwidth	nm	1000~1047&1081~1100
Stop Wavelength (ASE)	Standard	dB	≥25
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		≥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)	-	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	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-1064-NN(C) (C) (C) (C) - HNN 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
05=0.5nm	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
20=2nm	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
90=9nm	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
170=17nm		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		

