

## 1550nm Multimode Bandpass Filter (≥8nm BW)

### 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	1550	
Min. Pass Band Width @ 0.5dB	nm	8.0, 11, 13, 16, 22, 27, 50, 75, 100	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	8nm Bandwidth	nm	1520~1542 & 1558~1610
	11nm Bandwidth	nm	1520~1541 & 1559~1610
	13nm Bandwidth	nm	1520~1540 & 1560~1610
	16nm Bandwidth	nm	1500~1537 & 1563~1610
	22nm Bandwidth	nm	1500~1533 & 1567~1610
	27nm Bandwidth	nm	1500~1528 & 1572~1610
	50nm Bandwidth	nm	1500~1520 & 1580~1610
	75nm Bandwidth	nm	1450~1500 & 1600~1650
100nm Bandwidth	nm	1440~1490 & 1610~1660	
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 (OM2) or 62.5/125um (OM1) MM Fiber 50/125um OM3 MM Fiber (3) or OM4 MM Fiber(4) 105/125um MM Fiber, NA=0.12(D), 0.15(B), 0.22(A)
	ASE Guide Out (Y/X Type)	-	Same Fiber
Fiber Tensile Load	N	-	5
Max. Optical Power (CW, ASE+Signal)	mW	-	300
Operating Temperature	°C	-	0~70
Storage Temperature	°C	-	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5xL35
	Metal Box	mm	L120x <sup>W</sup> 12x <sup>H</sup> 10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.
  3. Specifications are tested at low order modes.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  5. Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

FMBP-1550-NN(C)	(C)	- (C)	(C)	-(C)	C	C	NN	-CC/CCC	
Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
80=8nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	M=Metal Box	5= 50/125um MM Fiber	B= Bare fiber	05=0.5m	N=Without Connector
110=11nm	T=Two-way	Isolation	N=None	Blank for None or D Type	Blank for SST	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
220=22nm	Blank for Forward	Blank for	Blank for D Type			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1000=100nm		Standard				A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

