

1528.7nm Multimode Bandpass Filter

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	1528.7	
Min. Pass Band Width @ 0.5dB	nm	0.3, 0.7, 6.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	
Stop Wavelength (ASE)	0.3nm Bandwidth	nm	1500~1527.7 & 1529.7~1600
	0.7nm Bandwidth	nm	1500~1527.2 & 1530.2~1600
	6nm Bandwidth	nm	1500~1523.7 & 1533.7~1600
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	L120xW12xH10

- 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.
 - 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-1528.7-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
03-0.3nm	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
07-0.7nm	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
60-6nm	Blank for Forward	Blank for Standard	Blank for D Type			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
						A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
						B=105/125um, NA=0.15			