1546-5nm 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	1546.5
Min. Pass Band Width @ 0.5dB		nm	0.12, 0.3, 0.7, 3.0,
Insertion Loss over Pass Band Wavelength		dB	≤1.2
Stop Wavelength (ASE)	0.12nm Bandwidth	nm	1500~1545.9 & 1547.1-1600
	0.3nm Bandwidth	nm	1500~1545.5 & 1547.5-1600
	0.7nm Bandwidth	nm	1500~1545 & 1548-1600
	3nm Bandwidth	nm	1500~1543.5 & 1549.5-1600
Stop Wavelength (ASE) Isolation	Standard	dB	≥25
	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	Ø5.5xL35
	Metal Box	mm	L120xW12xH10

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-1546.5-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*
012=0.12nm	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
03=0.3nm	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
07=0.7nm	*Blank* for Forward	*Blank* for	*Blank* for D Type			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
30=3nm		Standard				A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
						B=105/125um, NA=0.15			