

## 1425nm 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	1425
Min. Pass Band Width @ 0.5dB	nm	16.0
Insertion Loss over Pass Band Wavelength	dB	≤1.2
Stop Wavelength (ASE)	nm	1310~1411 & 1439-1530
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      ∅5.5x <sup>L</sup> 35
	Metal Box	mm <sup>L</sup> 120x <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-1425-NNN (C) (C) - (C) (C) - (C) C C NN -CC/CCC**

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Dwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
160-16nm	B=Backward T=Two-way Blank for Forward	I=High Isolation Blank for Standard	Y=Same Fiberr N=None Blank for D Type	Y=Same Fiber Blank for None or D Type	M=Metal Box Blank for SST	5= 50/125um MM Fiber 6= 62.5/125um MM Fiber 3= OM3 MM Fiber A= 105/125um, NA=0.22 B=105/125um, NA=0.15	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector