

## 1083nm 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	1083
Min. Pass Band Width @ 0.5dB		nm	8.0
Insertion Loss over Pass Band Wavelength		dB	≤1.2
Stop Wavelength (ASE)		nm	1000~1076&1090~1150
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
	ASE Guide Out (Y/X Type)	-	105/125um MM Fiber
	ASE Guide Out (Y/X Type)	-	Same Fiber
Fiber Tensile Load		N	5
Max. Optical Power (CW, ASE+Signal)		mW	300
Operating Temperature		°C	0~50
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 fiber type, optical power and configurations.

### ORDERING INFORMATION (PN)

FMBP-1083-NN(C)	(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
	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
	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			