

1560nm 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	1560
Min. Pass Band Width @ 0.5dB		nm	0.12, 0.3, 0.7, 1.0, 2.0, 5.0, 7.0, 10, 20, 80
Insertion Loss over Pass Band Wavelength		dB	≤1.2
Stop Wavelength (ASE)	0.12nm Bandwidth	nm	1500~1559.4 & 1560.6~1610
	0.3nm Bandwidth	nm	1500~1559 & 1561~1610
	0.7nm Bandwidth	nm	1500~1558.5 & 1561.5~1610
	1nm Bandwidth	nm	1500~1558 & 1562~1610
	2nm Bandwidth	nm	1500~1557 & 1563~1610
	5nm Bandwidth	nm	1500~1555 & 1565~1610
	7nm Bandwidth	nm	1500~1553 & 1567~1610
	10nm Bandwidth	nm	1500~1550 & 1570~1610
	20nm Bandwidth	nm	1500~1545 & 1575~1610
	80nm Bandwidth	nm	1400~1508 & 1612~1650
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 ^L 35
	Metal Box	mm	^L 120x ^W 12x ^H 10

- 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 fiber type, optical power and configurations.

ORDERING INFORMATION (PN)

FMBP-1560-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	Connector Type
07~0.7nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	M=Metal Box	5= 50/125um MM Fiber	B= Bare fiber	N=Without Connector
50~5nm	T=Two-way	Isolation	N=None	Blank for None or D Type	Blank for SST	6= 62.5/125um MM Fiber	L= Loose Tube	FC/APC=FC/APC Connector
100~10nm	Blank for Forward	Blank for	Blank for D Type			3= OM3 MM Fiber	2= 2mm Cable	LC/PC=LC/PC Connector
200~20nm		Standard				A= 105/125um, NA=0.22	3= 3mm Cable	SC/UPC=SC/UPC Connector
						B=105/125um, NA=0.15		

