

1540nm 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	1540	
Min. Pass Band Width @ 0.5dB	nm	0.3, 0.7, 2.0, 3.0, 5.0, 7.0, 10, 15	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	
Stop Wavelength (ASE)	0.3nm Bandwidth	nm	1500~1539 & 1541~1610
	0.7nm Bandwidth	nm	1500~1538.5 & 1541.5~1610
	2nm Bandwidth	nm	1510~1537 & 1543~1600
	3nm Bandwidth	nm	1510~1536 & 1544~1600
	5nm Bandwidth	nm	1510~1534 & 1546~1600
	7nm Bandwidth	nm	1510~1533 & 1547~1600
	10nm Bandwidth	nm	1510~1530 & 1550~1600
15nm Bandwidth	nm	1510~1527.5 & 1552.5~1600	
Stop Wavelength (ASE)	Standard	dB	≥25
Isolation	High Isolation	dB	≥50
ASE Direction	-	-	F: Forward, B: Backward, T: Two-way
Configuration	-	-	D: 2-port, Y: 3-port, X: 4-port
Optical Return Loss	dB	≥50	
Polarization Dependent Loss	dB	≤0.1	
Fiber Type	Input&Output	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	ASE Guide Out (Y/X Type)	-	Same Fiber or MM 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 5dB lower.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 - Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FFBP-1540-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
20=2nm	B=Backward	I=High Isolation	Y=Same Fiber	Y=Same Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	O5=0.5m	N=Without Connector
50=5nm	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
100=10nm	Blank for Forward	Blank for	N=None	S=50/125um Fiber		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
150=15nm		Standard	Blank for D Type	Blank for None or D Type		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

