1553nm Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Various Bandwidth
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs

SPECIFICATIONS

Parameters		Unit	Value
Center Wavelength		nm	1553
Min. Pass Band Width @ 0.5dB		nm	5.0
Insertion Loss over Pass Band Wavelength		dB	≤1.2
Stop Band @ 25dB		nm	1500~1548 & 1558-1610
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	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)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 5dB lower.

3. 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.

ORDERING INFORMATION (PN)

FFBP-1553-NN(C) (C) (C) -(C) (C) C NN -CC/CCC

Bandwidth	*ASE Type*	*Fwd ASE Fiber*	*Bwd ASE Fiber*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
50=5nm	B=Backward	Y=Same Fiber	Y=Same Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	T=Two-way	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
	Blank for Forward	N=None	5=50/125um Fiber		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		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