

1540nm 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	1540	
Min. Pass Band Width @ 0.5dB	nm	0.12, 0.3, 0.7, 2.5, 5.0, 7.0, 10.0, 15.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	
Stop Wavelength (ASE)	0.12nm Bandwidth	nm	1510~1539.4 & 1540.6~1600
	0.3nm Bandwidth	nm	1510~1539 & 1541~1600
	0.7nm Bandwidth	nm	1510~1538.5 & 1541.5~1600
	2.5nm Bandwidth	nm	1510~1537 & 1543~1600
	5nm Bandwidth	nm	1510~1535 & 1545~1600
	7nm Bandwidth	nm	1510~1533 & 1547~1600
	10nm Bandwidth	nm	1510~1530 & 1550~1600
Stop Wavelength (ASE)	Standard	dB	≥25
	High Isolation	dB	≥45
Isolation			
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 optical power and configurations.

ORDERING INFORMATION (PN)

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
03=0.3nm	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
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	10=1.0m	FC/APC=FC/APC Connector
100=10nm	Blank for Forward	Blank for	Blank for D Type			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
150=15nm		Standard				A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
						B=105/125um, NA=0.15			