

Dense Wavelength Division Multiplexer

3-Port Add/Drop Filter

DESCRIPTION

Browave's Add/Drop filters are fabricated with thin-film interference coatings to achieve 100GHz narrow bandwidth channel filtering at ITU wavelength. These DWDM devices have low insertion loss, high channel isolation and stable environmental performance.

FEATURES

- ↓ Low insertion loss
- ↓ Excellent channel isolation
- ↓ Epoxy-free optical path
- ↓ Environmentally stable and reliable
- ↓ Low profile packaging
- ↓ Telcordia (Bellcore) compliant

APPLICATIONS

- ↓ Add/Drop channels
- ↓ DWDM system
- ↓ CATV fiber-optic links
- ↓ EDFA system

SPECIFICATIONS

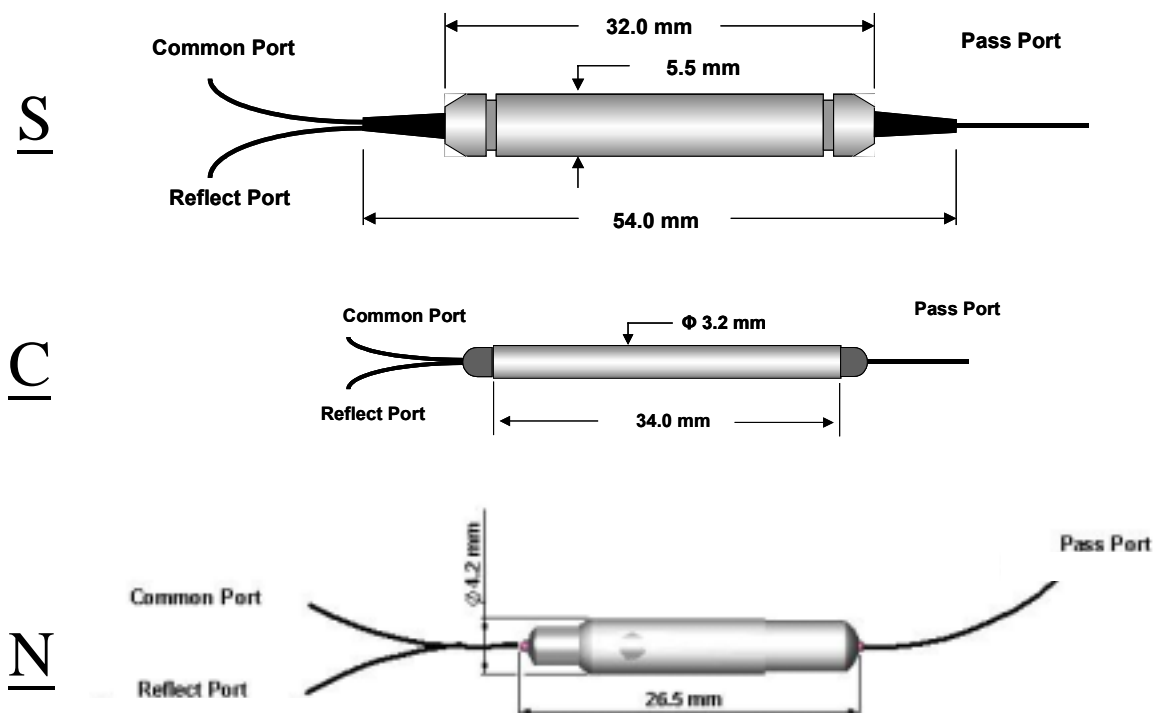
Parameter	Specification	
Channel Center Wavelength	1528.77~1605.74nm (ITU 100GHz Grid)	
Channel Spacing	100GHz	200GHz
Min Channel Passband	ITU +/- 0.12nm	ITU +/- 0.25nm
Max Add/Drop Channel Insertion Loss	1.0dB (0.70dB typ.)	0.80dB (0.50dB typ.)
Max Add/Drop Channel Insertion Loss Variation	0.35dB	0.25dB
Max Remaining Channel Insertion Loss	0.40dB (0.30dB typ.)	0.40dB (0.25dB typ.)
Min Adjacent Channel Isolation	25dB	30dB
Min Non-adjacent Channel Isolation	40dB	40dB
Min Remaining Channel Isolation	12dB	12dB
Max Insertion Loss Temperature Sensitivity	S, N: 0.25dB ; C: 0.15dB	
Min Directivity	45dB	50dB
Min Return Loss	50dB	
Max Polarization Dependent Loss	0.10dB	
Max Polarization Mode Dispersion	0.15ps	0.10ps
Max Power Handling	500mW	
Max Tensile Load	5N	
Operating Temperature	-5 to +70	
Storage Temperature	-40 to +85	
Package Dimension (DxL)	S : ()5.5mm*(L)32mm C : ()3.2mm*(L)34mm N : ()4.2mm*(L)26.5mm	



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PHYSICAL DIMENSION



ORDERING INFORMATION

D **W** **F** **B** - **3** -

Channel Spacing

1 = 100GHz
2 = 200GHz

ITU Ch#

Connector

0= None

Fiber Length

1=1 meter
2=1.5 meters

Package

S = Standard
C = Compact
N = Non-steel-tube

Fiber Type

1 = 250um bare fiber
2 = 900um loose tube



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