

## Band Filters ( 4 Channel / Skip 0 )

Brotechs's 4-skip-1 Band Wavelength Multiplexing filter products are designed to improve insertion loss for express channels in a variety of applications. These Band WDM products utilize proprietary Brotechs thin-film filter technology, to achieve state-of-the-art wavelength stability, and high channel isolation. These products offer exceptionally low insertion loss, thermal stability, low polarization sensitivity, and high directivity. Brotechs's Band WDM is designed to meet the most demanding Telcordia requirements for performance and reliability. Custom wavelengths and channel configurations are available.

### Applications

- Band Add/Drop Multiplexers
- Low Insertion Loss for High Channel Count Systems
- Telco Networks
- Extended L Band System

### Features

- Low PDL
- Low Insertion Loss
- Low Polarization Sensitivity
- High Optical Power Handling
- Telcordia 1221 Compliant

## Specifications

Parameters	100Ghz & 200Ghz		
	Minimum	Typical	Maximum
Pass Channel Bandwidth 100 GHz	2.7nm		
Pass Channel Bandwidth 200 GHz	7.4nm		
Express Channel Bandwidth 100 GHz			3.7nm
Express Channels Bandwidth 200 GHz			7.4nm
Pass Channel Insertion Loss		1.0dB	1.2dB
Express Channels Insertion Loss		0.4dB	0.6dB
Passband Flatness - Ripple		0.3dB	0.5dB
Pass Channel Isolation for Adjacent Express Channels	15dB	20dB	
Pass Channel Isolation for Non-Adjacent Express Channels	30dB	40dB	
Isolation of Drop Channels at Express Port	12dB	15dB	
Return Loss	40dB	45dB	
Directivity	45dB		
PDL			0.2dB
PDM			0.2Ps
Optical Power	300mW		
Operating Temperature	-5°C to + 65°C		
Storage Temperature	-40°C to + 85°C		
Tensile Load	5N Maximum		

**Notes:** Specifications without fiber connectors





## Dimensions

< 52.5mm x 4.6Φmm (Including Boots)

Fiber Type: SMF 28e Compatible

Pigtail Length: 1Meter(Standard)



## Ordering Information

	Channel Spacing	Configuration	Wavelength Channel	Package Type	Connector	Wavelength Remark
5310	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	4:100GHz Skip 0	1: Mux	NN:According to ITU	0:250μm Tube	0: W/O conn	ST: Standard
	5:200GHz Skip 0	2: DeMux	Channel with Starting Channel	1:900μm Tube 2:250μm Case 3:900μm Case	1: LC/PC 2: SC/PC 3: ST/PC 4: E2000/PC 7: FC/PC 9: MU A: LC/APC B: SC/APC C: E2000/APC D: FC/APC	CM:Custom made

