

Band Filters (4 Channel/Skip 1)

AFOP'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 AFOP 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. AFOP'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 - BAND FILTERS (4 SKIP 1)

Parameters	100 GHz & 200 GHz		
	Minimum	Typical	Maximum
Pass Channel Bandwidth 100 GHz	2.7 nm		
Pass Channel Bandwidth 200 GHz	5.4 nm		
Express Channel Bandwidth 100 GHz			5.3 nm
Express Channel Bandwidth 200 GHz			10.6 nm
Pass Channel Insertion Loss		1.0 dB	1.2 dB
Express Channels Insertion Loss		0.4 dB	0.6 dB
Passband Flatness - Ripple		0.3 dB	0.5 dB
Pass Channel Isolation for Adjacent Express Channels	15 dB	20 dB	
Pass Channel Isolation for Non-Adjacent Express Channels	30 dB	40 dB	
Isolation of Drop Channels at Express Port	12 dB	15 dB	
Return Loss	40 dB	45 dB	
Directivity	45 dB		
PDL			0.2 dB
PMD			0.2 ps
Optical Power		300 mW	
Operating Temperature Range		- 5°C to + 65°C	
Storage Temperature Range		- 40°C to + 85°C	
Tensile Load		5N Maximum	

PACKAGE DIMENSIONS:

< 52.5 mm x 4.6 Φmm (Including Boots) ■ Fiber Type: SMF 28e Compatible ■ Pigtail Length: 1 Meter

ORDERING INFORMATION:

BW	N	-	N	0	NN	-	N	C	NNN
Channel Spacing	Configuration		Wavelength Channel	Package Type	Connector*	000: Standard			
1: 100 GHz Skip 1 2: 200 GHz Skip 1	1: Mux 2: DeMux		NN: According to ITU Channel with Starting Channel	0: 250 μm Tube 1: 900 μm Tube 2: 250 μm Case 3: 900 μm Case	A: None L: LC/PC P: FC/PC Q: FC/APC S: SC/PC T: SC/APC U: MU/PC	Running number used for special types or custom made			

Note:

* Specifications do not include connector loss.