

## High Isolation OADM (200GHz)

Brotechs offers a high channel isolation OADM(100 GHz) for telecommunications and network applications. These thin film filters utilize proprietary technologies to achieve outstanding field performance. The thin film filters OADM is available in standard ITU wavelength ranges. As with many Brotechs products, custom wavelengths and channel configurations are also available upon request.

### Applications

- DWDM Networks
- Metro Core Networks
- Long Haul Networks
- Access Networks
- CATV Distribution Networks

### Features

- High ADD/DROP Isolation
- Excellent Residual Isolation at Dropped Channel
- Bi-Directional
- High Directivity
- Epoxy-Free Optical Path
- Telcordia GR-1221 Compliant

## DWDM Specifications

Parameters	100GHz & 200GHz		
	Minimum	Typical	Maximum
Passband Bandwidth	$\Delta\lambda_c \pm 0.25\text{nm}$	$\Delta\lambda_c \pm 0.03\text{nm}$	
Add Channel Insertion Loss		0.8dB	1.2dB
Drop Channel Insertion Loss		0.8dB	1.2dB
Through Channel Insertion Loss		0.6dB	1.0dB
Adjacent Channel Isolation	25dB	30dB	
Non-Adjacent Channel Isolation	40dB	45dB	
Express Channel	25dB	30dB	
Optical Return Loss	45dB	50dB	
Directivity	50dB		
PDL			0.1dB
PMD			0.1ps
Maximum 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

126mm x 93mm x 15mm

Fiber Type: SMF 28e Compatible

Pigtail Length: 1Meter (Standard)



## Ordering Information

	Wavelength Channel	Package Type	Connector	Wavelength Remark
5420	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	NN: Accord to ITU	2:250μm Box	0: W/O conn	ST: Standard
	Channel with	3:900μm Box	1: LC/PC	CM:Custom made
	Starting Channel	4:Rack Mount	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	

