

Dense Wavelength Division (100GHz)

Brotechs's DWDM devices utilize thin-film filter technology .Individual components are available on ITU channel spacing of 100 GHz .These devices exceed the requirements of TelcordiaGR-1221.They demonstrate low loss, temperature insensitivity and reliable performance in any system application.

Key Features

- **Low Insertion Loss**
- **High Channel Isolation**
- **Epoxy-Free in Optical Path**
- **Excellent thermal stability**

Compliance

- **Telcordia GR1209**
- **Telcordia GR1221**

Applications

- **DWDM System**
- **Access networks**
- **Long haul networks**
- **Metro networks**
- **CATV System**

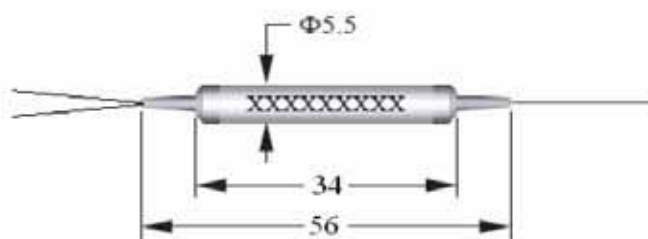
DWDM Specifications

Parameters	4 Channel		
	Minimum	Typical	Maximum
Passband Width	$\Delta\pm 0.12\text{nm}$		
Pass Channel Insertion Loss		0.7dB	0.9dB
Reflection Channel Loss		0.3dB	0.45dB
Adjacent Channel Isolation	25dB	30dB	
Non-Adjacent Channel Isolation	40dB	45dB	
Isolation of Pass Channel @Reflection Port	12dB	15dB	
Optical Return Loss	40dB	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 (900um Buffered)	5N Maximum		

Notes: Specifications without fiber connectors



Dimensions



DWDM Device

Ordering Information

	Type	ITU Grid	Wavelength	Connector	Package Type
5110	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	1: 100G 0 :others	1: Standard 5: 50G Shift (Less in frequency) from ITU grid	00: Non-ITU Specs NN: ITU Channel, for example, 193.0 THz, NN=30	0: W/O conn 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	A1: ABS 90x20x10mm A2: ABS 100x80x10mm A3: ABS 141x115x18mm L1: LGX 128.8x103x29.2mm L2: LGX 128.8x103x58.4 mm L3: LGX 128.8x103x87.6mm R1: Rack 1U 19" R2: Rack 2U 19" M1: Metal Box 212x92x43mm M2: Metal Box 80x60x8mm

