

Dense Wavelength Division (200GHz)

Brotechs's DWDM devices utilize thin-film filter technology .Individual components are available on ITU channel spacing of 200 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

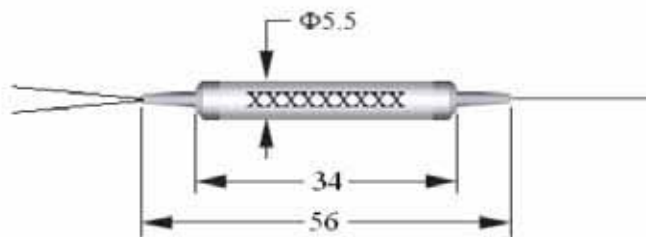
Parameters	200GHz		
	Minimum	Typical	Maximum
Passband Width	$\Delta\pm 0.25\text{nm}$		
Pass Channel Insertion Loss		0.6dB	0.8dB
Reflection Channel Loss		0.3dB	0.4dB
Adjacent Channel Isolation	25dB	30dB	
Non-Adjacent Channel Isolation	40dB	45dB	
Isolation of Pass Channel @Reflection Port	12dB	15dB	
Optical 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 (900um Buffered)	5N Maximum		

Notes: Specifications without fiber connectors





Dimensions



DWDM Device

Ordering Information

	Type	ITU Grid	Wavelength	Connector	Package Type
5120	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	2: 200G	1: Standard	00: Non-ITU Specs	0: W/O conn	A1: ABS 90x20x10mm
	0 :others	5: 50G Shift (Less in frequency) from ITU grid	NN: ITU Channel, for example, 193.0 THz, NN=30	1: LC/PC	A2: ABS 100x80x10mm
				2: SC/PC	A3: ABS 141x115x18mm
				3: ST/PC	L1: LGX 128.8x103x29.2mm
				4: E2000/PC	L2: LGX 128.8x103x58.4 mm
				7: FC/PC	L3: LGX 128.8x103x87.6mm
				9: MU	R1: Rack 1U 19"
				A: LC/APC	R2: Rack 2U 19"
				B: SC/APC	M1: Metal Box 212x92x43mm
				C: E2000/APC	M2: Metal Box80x60x8mm
				D: FC/APC	

