

Dense Wavelength Division Module (200GHz 16 Channel)

Brotechs's DWDM module is compact and has the properties of low insertion loss, low crosstalk, and wide passband with high isolation, which enables users to establish a low cost bi-directional optical communication system.

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	100GHz 16 Channel		
	Minimum	Typical	Maximum
Center Wavelength Δ_c		1528 - 1565 nm	
Passband Bandwidth	$\Delta_c \pm 0.25\text{nm}$		
Pass Channel Insertion Loss		3.5dB	4.5dB
Adjacent Channel Isolation	25dB	30dB	
Non-Adjacent Channel Isolation	40dB	45dB	
Directivity	50dB		
Optical Return Loss	45dB	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



Ordering Information

	Type	Wavelength	Fiber Type	Fiber length	Connector	Package Type
5170	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	M: Mux D: Demux	NN: Accord to ITU Channel with Starting Channel	0: 250μm bare fiber 1: 900μm 2: 2.0mm 3: 3.0mm	1: 1M 2: 2M 1A: 1.5M ...	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	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 Box80x60x8mm

