

## Dense Wavelength Division Module (100GHz 8 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 8 Channel		
	Minimum	Typical	Maximum
Center Wavelength $\Delta_c$		1528 - 1565 nm	
Passband Bandwidth	$\Delta_c \pm 0.12\text{nm}$		
Pass Channel Insertion Loss		2.8dB	3.5dB
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
5140	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	M: Mux	NN: Accord to ITU	0: 250μm	1: 1M	0: W/O conn	A2: ABS 100x80x10mm
	D: Demux	Channel with	bare fiber	2: 2M	1: LC/PC	A3: ABS 141x115x18mm
		Starting Channel	1: 900μm	1A: 1.5M	2: SC/PC	L1: LGX 128.8x103x29.2mm
			2: 2.0mm	...	3: ST/PC	L2: LGX 128.8x103x58.4 mm
			3: 3.0mm		4: E2000/PC	L3: LGX 128.8x103x87.6mm
					7: FC/PC	R1: Rack 1U 19"
					9: MU	R2: Rack 2U 19"
					A: LC/APC	M1: Metal Box 212x92x43mm
					B: SC/APC	M2: Metal Box 80x60x8mm
					C: E2000/APC	
					D: FC/APC	

