



# 1310/1550 nm Micro-optic High Isolation WDM

Optowaves' 1310/1550nm High Isolation WDM applies optical filter technique to achieve dual-wavelength multiplexing and de-multiplexing. It can double the optical transmission capacity and make bi-directional communication available within single optical fiber. The device meets Bellcore GR-1209-CORE requirements.



### Features

- Wide Operating Wavelength Range
- Compact Size
- High Isolation
- Ultra Low PDL & PMD
- Highly Stable & Reliable
- Epoxy-Free Optical Path

### Applications

- Bi-directional WDM Systems
- Uni-directional WDM Systems
- System Monitoring
- Fiberoptic Instruments
- Transmitters and Fiber
- Lasers Laboratory R&D

### Specifications

Pass Channel Wavelength Range	(nm)	1260-1360(or 1500-1600)
Reflect Channel Wavelength Range	(nm)	1500-1600(or 1260-1360)
Insertion Loss	Reflect Channel	(dB) <0.6
	Pass Channel	(dB) <0.6
Isolation	Reflect Chanel	(dB) A>15 B>35 *
	Pass Channel	(dB) A>35 B>35
Directivity	(dB)	>55
Return Loss	(dB)	>55
Polarization Dependent Loss(PDL)	(dB)	<0.15
Thermal Stability	(dB/°C)	*0.003
Maximum Power Handling	(mW)	300
Maximum Tensile Load	(N)	5
Operating Temperature	(°C)	0 to +70
Storage Temperature	(°C)	-40 to +85
Package Dimension	(mm) <sup>3</sup>	

\* Isolation Type: Choose A or B

### Ordering Information

