



1310~1610 nm Micro-optic High Isolation WDM

Optowaves' 1310~1610nm High Isolation WDM applies optical filter technique to achieve dual-wavelength multiplexing and demultiplexing. 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-direction WDM Systems
- Uni-directional WDM Systems
- System Monitoring
- Fiberoptic Instruments
- Transmitters and Fiber
- Lasers Laboratory R&D

Specifications

Pass Channel Wavelength Range	(nm)	1310~1610	
Reflect Channel Wavelength Range	(nm)	1610~1310	
Insertion Loss	Reflect Channel	(dB)	<0.6
	Pass Channel	(dB)	<0.6
Isolation	Reflect Chanel	(dB)	>15
	Pass Channel	(dB)	>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) ³		

Ordering Information

