



980/1550 nm Micro- optic High Isolation WDM

Optowaves' 980/1550nm 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-directional WDM Systems
- Uni-directional WDM Systems
- System Monitoring
- Fiberoptic Instruments
- Transmitters and Fiber
- Lasers Laboratory R&D



Specifications

Pass Channel Wavelength Range	(nm)	930-1030(or 1500-1600)
Reflect Channel Wavelength Range	(nm)	1500-1600(or 930-1030)
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

