

1310/1550nm Filter Wavelength Division Multiplexer

Features

- Wide Operating Wavelength Range
- Compact Size
- Telecordia GR-1209 Compliant
- Epoxy-Free Lightpath
- High Channel Isolation
- Low PDL



Applications

- Bi-Directional WDM Systems
- Uni-Directional Systems
- Fiber Optic Instrumentation
- System Monitoring
- CATV

Performance Specifications

FWDM 1310/1550nm

Pass Port Wavelength Range (nm)	1260-1360	1500-1600
Reflect Port Wavelength Range (nm)	1500-1600	1260-1360
Insertion Loss @ Pass Port (dB) *	≤ 1.0	
Insertion Loss @ Reflect Port (dB) *	≤ 0.6	
Ripple (dB)	≤ 0.3	
Isolation @ Pass Port (dB)	≥ 35	
Isolation @ Reflect Port (dB)	≥ 12	
Return Loss (dB)	≥ 45	
Directivity (dB)	≥ 55	
Polarization Dependent Loss (PDL) (dB)	≤ 0.1	
Maximum Power Handling (mW)	300	
Maximum Tensile Load (N)	5	
Operating Temperature (°C)	-5 to +65	
Storage Temperature (°C)	-40 to +85	
Package Dimension (mm)	SMF-28 Bare Fiber = 5.5(Ø) x 34(L)	
	900µm loose tube = 5.5(Ø) x 40(L)	

*Insertion loss does not include connector loss.

Description

This device is to combine or separate 1310nm and 1550nm band signal. Valdor wavelength division multiplexers are based on thin film filtered technology. This device offers very flat and wide pass band, high isolation and low insertion. Valdor products are epoxy-free and Telecordia GR-1209 compliant.

