



200GHz Dense Wavelength Division Multiplexer

Our Multi-channel multiplexer/demultiplexer (mux/demux) modules are available on ITU channel spacings of 200, 100 and 50 GHz. They are based on thin film filter technology and metallized packaged. These devices are configured by number of channels for any customer-specific channel plan and integration of taps and detectors for complete dense wavelength division multiplexing (DWDM) solution. Our DWDM devices are Telcordia GR-1221 qualifications tested. Those products are epoxy-free in the optical path.

Features of our DWDM-2:

- Exceptional reliability and environmental stability
- Flat and wide passband
- High demux channel isolation
- Customizable with tap

Applications for our DWDM-2:

- Long haul networks
- Metro networks
- Access/enterprise networks
- Test bench/systems

Specifications:

Channel Number	Unit	2	4	8	16	32
Central Wavelength	nm	ITU-T Grid				
Passband @0.5dB	nm	≥0.60				
Passband	nm	Alpha (ITU) ± 0.25				
Passband Flatness	dB	≤ 0.5				
Insertion Loss (typ.)	dB	1.4	1.6	2.6	3.8	4.3
Insertion Loss	dB	1.8	2.0	2.2	4.5	5.0



Insertion Loss (Max.)	dB	1.8	2.0	3.2	4.5	5.0
Channel Uniformity	dB	<=0.5		<=1.0		
Adjacent Channel Isolation	dB				>= 25	
Non-adjacent Channel Isolation	dB				>= 45	
Wavelength Thermal Stability	nm/°C				<= 0.002	
Insertion Loss Thermal Stability	dB/°C	<=0.005		<=0.007	<=0.008	
Polarization Dependent Loss	dB	<=0.10		<=0.15	<=0.20	
Return Loss	dB				>= 45	
PMD	ps	<=0.10		<=0.15		
PDL	dB	<=0.10		<=0.15	<=0.20	
Operation Temperature	°C				-5 ~ +65	
Package Dimensions	mm	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13	150x110x19
Storage Temperature	°C				-40 ~ +85	

Ordering information:

- Connectors: FC/UPC, FC/APC, SC/UPC, SC/APC, or others
- Channel number: 4, 8, 16, 18, 20 channels
- Pigtail: Diam. 0.9mm
- Start Wavelength: ITU-T Grid
- Fiber length: 0.5m, customer request
- Application type: Mux, Demux, Mux/Demux

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com