



Coarse Wavelength Division Multiplexer

Our CWDM are based on thin film filter technology and metal packaging. These devices show broad passbands and high isolation, making them ideal for operation with inexpensive, uncooled lasers. Packaging options include fiber type, connectors and integration of taps and detectors for a complete CWDM solution. CWDM devices are Telcordia GR-1221 qualification tested. All these products are epoxy free in the optical path.

Features of our CWDM:

- Extended temperature range
- Flat and wide passband
- High-Demux channel isolation

Applications for our CWDM:

- Metro optical networks
- Access optical networks
- Enterprise networks

Specifications:

Channel number		2	4	8	16
Central Wavelength	nm	ITU-T grid			
Passband @0.5dB	nm	≥ 14			
Passband	nm	Alpha(ITU) +/-6.5			
Passband Flatness	dB	≤ 0.5			
Insertion Loss(typ)	nm	1.4	1.6	1.8	4.3
Insertion Loss(max.)	nm	1.8	2.0	2.5	5.0
Adjacent Channel Isolation	dB	≥ 30			
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	dB	≤0.10	≤0.15	≤0.20	



Polarization Dependent Loss	dB	<=0.10	<=0.15	<=0.20	
Return Loss	dB	>= 45			
Directivity	dB	>=55			
Operation Temperature	°C	-5 ~ +65			
Storage Temperature	°C	-40 ~ +85			
Package Dimensions	mm	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13

Ordering information:

- Connectors: FC/UPC, FC/APC, SC/UPC, or SC/APC
- Channel space: 20nm
- Channel number: 4, 8, 16 channels
- Start Wavelength: ITU-T grid
- Cable diameter: 0.9mm, 2.0mm, 3.0mm
- Fiber length: 0.5m
- Application type: Multiplexer, Demultiplexer, Multi/Demultiplexer

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