

CWDM Coarse Wavelength Division Multiplexer



Coarse Wavelength Division Multiplexer features ultra low insertion loss , super thermal stability and reliability. The technology is a lead-free packaging platform and no epoxy in the optical path. Green CWDM is Telcordia GR-1221and GR-1209 tested , qualified for uncontrolled environment applications and complied with industry green initiatives such as RoHS and WEEE.

Applications :

- WDM System for Metro/Access
- CATV System
- Add-Drop System
- Cellular Application
- Fiber Optical Amplifier System

Features :

- Low Insertion Loss
- Wide Pass Band
- Super Thermal Stability
- High Isolation and Reliability
- Epoxy-Free Optical Path
- RoHS Compliant

Specification :

Parameter	2CH	4CH	8CH	16CH	
Operating Wavelength (nm)	1260 to 1620				
Center Wavelength Accuracy (nm)	± 0.5				
Channel Spacing (GHz)	20nm				
Channel Passband (@-0.5dB bandwidth) Min.(nm)	≥14				
Insertion Loss (dB)	Typical	1.2	1.6	2.2	3.2
	MAX.	1.4	1.8	2.8	5.0
Polarization Dependent Loss (dB)	≤ 0.10	≤ 0.15	≤ 0.20	≤ 0.25	
Polarization Mode Dispersion (ps)	≤ 0.10				
Isolation (dB)	Adjacent	≥ 30			
	Non-adjacent	≥ 45			
Channel Uniformity (dB)	≤ 0.8				
Channel Ripple (dB)	≤ 0.3				
Directivity (dB)	≥ 50				
Return Loss (dB)	≥ 45				
Maximum Power Handling (mW)	300				
Operating Temperature (°C)	-5 ~+65				
Storage Temperature (°C)	-40 ~+85				

Note 1. All the data of the above is not included connectors.

Note 2. 16CH is with Band Splitter.

Note3. subject to change without further notice.

Remarks: 依據客戶的 CWDM 系統架構 (1.25Gbps/10Gbps) 和佈建距離需求，提供多樣式的 SFP, SFP+ & XFP 光模組可供客戶選配購買。