

Coarse Wavelength Division Multiplexer

CWDM module is widely deployed to de-multiplex or multiplex signals in WDM systems. Based on Optowaves' thin-film filter technology and epoxy-free optical path, Optowaves' CWDM features low insertion loss, high isolation and superior environmental stability. Optowaves' CWDM has met Bellcore GR-1209-CORE requirements.



Features

- High Isolation
- Low Insertion Loss
- Epoxy-free Optical Paths

Applications

- WDM Systems
- Unidirectional/Bi-Directional Systems
- Private Networks

Specifications

Item	Unit	Specifications	
Channel Number		4	8
Central Wavelength	nm	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	
Channel Passband	nm	>12	
Passband Flatness	dB	<0.5	
Insertion Loss	dB	Typ. 1.5, Max 2.0	Typ. 3.0, Max 3.5
Adjacent Channel Isolation	dB	>30	
Non-adjacent Channel Isolation	dB	>50	
Wavelength Thermal Stability	nm/°C	<0.002	
Insertion Loss Thermal Stability	dB/°C	<0.007	
Polarization Dependent Loss	dB	<0.15	
Return Loss	dB	>45	
Operating Temperature	°C	0 to +65	
Storage Temperature	°C	-40 to +85	

Ordering Information

