



Multi-Channel Mux /DeMux Module CWDM 20nm Spacing

Photonics Beyond Boundary

Features

- Low insertion loss
- High channel isolation
- Low polarization dependent loss
- Exceptional reliability and stability



Applications

- Access networks
- Metro WDM systems
- Enterprise networks

Product Description

Primanex's Coarse Wavelength Division Multiplexers (CWDMs) demonstrate low loss and reliable performance. These devices show broad passbands and high isolation, making them ideal for operation with inexpensive, uncooled lasers. They feature up to 4 or 8 low dispersion channels, thereby enabling high capacity, low cost products for the CATV and metro/access markets.

Easily customizable, Primanex CWDMs can be configured from a standard list of packaging and connector options

Specifications

Item	Unit	Parameters				Notes
Wavelength Range	nm	1460~1620		1260~1620		
Channel Centers (ITU or ITU+1)	nm	1470/1490...1610 or 1471/1491...1611		1270/1290...1610 or 1271/1291...1611		
Channels	ch	4	8	4	8	
Passband	nm	≥ +/- 7				
Passband Ripple	dB	≤ 0.5				
Channel Insertion Loss	dB	2.0	2.8	2.0	3.0	
Optional express Insertion Loss	dB	1.8	2.6	1.8	2.8	
Isolation (adjacent channel)	dB	≥ 30				
Isolation (non-adjacent channel)	dB	≥ 50				
Polarization Dependent loss	dB	≤ 0.2				
Polarization Mode Dispersion	ps	≤ 0.2				
Directivity	dB	≥ 50				
Return Loss	dB	≥ 45				
Optical Power Handling	mW	≤ 500				
Operating Temperature Range	°C	-5 to 70				
Storage Temperature Range	°C	-40 to +85				
Fiber Type		SMF-28e+				
Package Dimensions (L x W x H)	mm	100 x 80 x 10				ABS

*. All the specifications are based on the devices without connector, and guaranteed over wavelength, polarization and temperature.

**. Specifications are subject to change without notice.

