

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 DWDM multi-channel multiplexer /demultiplexer (Mux /DeMux) modules are available on ITU channel spacing of 200GHz. They demonstrate low loss, temperature insensitivity and reliable performance in any system application.

Fixed Mux/DeMux modules offer low-cost wavelength management solutions that are suitable for long haul, metro, and access application.

Specifications

Item	Unit	Parameters				Notes
		100		200		
Channel Spacing	GHz	100		200		
Wavelength Range		C- or L-band ITU channels 186.6 to 196.1 THz				
Channel Centers	nm	ITU				
Channels	ch	4	8	4	8	
Passband	GHz	≥ +/- 12.5		≥ +/- 33		
Passband Ripple	dB	≤ 0.5				
Channel Insertion Loss	dB	2.0	3.0	2.0	3.0	
Optional express Insertion Loss	dB	1.8	2.8	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	NA	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.

