

**Purpose:**

To define the operating parameters for Fiberdyne CWDM Mux/Demux Modules.

**Specifications:**

Parameter	Units	Values		
		2	4	8
Number of Wavelengths *		2	4	8
Operating Wavelengths	nm	Per ITU-T G.694.2 (CWDM Grid)		
Channel Passband	nm	> 15		
Insertion Loss ** (Typical)	dB	< 1.4	< 1.8	< 2.6
Link Insertion Loss ** (Typical)	dB	< 2.6	< 3.6	< 3.8
Channel Ripple	dB	< 0.3		
Isolation – Adjacent Channel	dB	> 30		
Isolation – Non-adjacent	dB	> 40		
Polarization Dependent Loss	dB	< 0.15		
Polarization Mode Dispersion	ps	< 0.1		
Directivity	dB	> 55		
Return Loss	dB	> 50		
Insertion Loss Temp Sensitivity	dB/°C	<0.005		
Wavelength Temperature Stability	nm/°C	<0.002		
Power Capacity	mW	0		
Temperature - Operating	°C	-40 to +85		

**Notes:**

\*Modules with alternate port quantities (e.g. 3, 5, 6 & 7) are also available.

\*\*Insertion Loss values do not include connector loss.

**Packaging:**

All standard, Fiberdyne modules (i.e. 19/23-inch Rack, ADC, Lucent, Corning)

**Standard Port Configuration:**

- 1 Upgrade port: cascade modules; later, as additional channels are required.
- 1 Common port: connect to fiber plant or to another module's upgrade port
- 2+ Add/drop ports: one port per wavelength.