

Overview

DWDM Mux/DeMux 8CH/16CH/48CH Modularized

- Pre-Paired Mux/DeMux Per Channel and Plug-n-Play with Equipment
- Modular Design for 8, 16 or 48 Channels in Each Cassette
- Four Cassettes per 1RU EXO™ Chassis
- DWDM Mux/DeMux with Fiber and Copper Patching Integrated



8 Channel

16 Channel

48 Channel

Optical Specifications

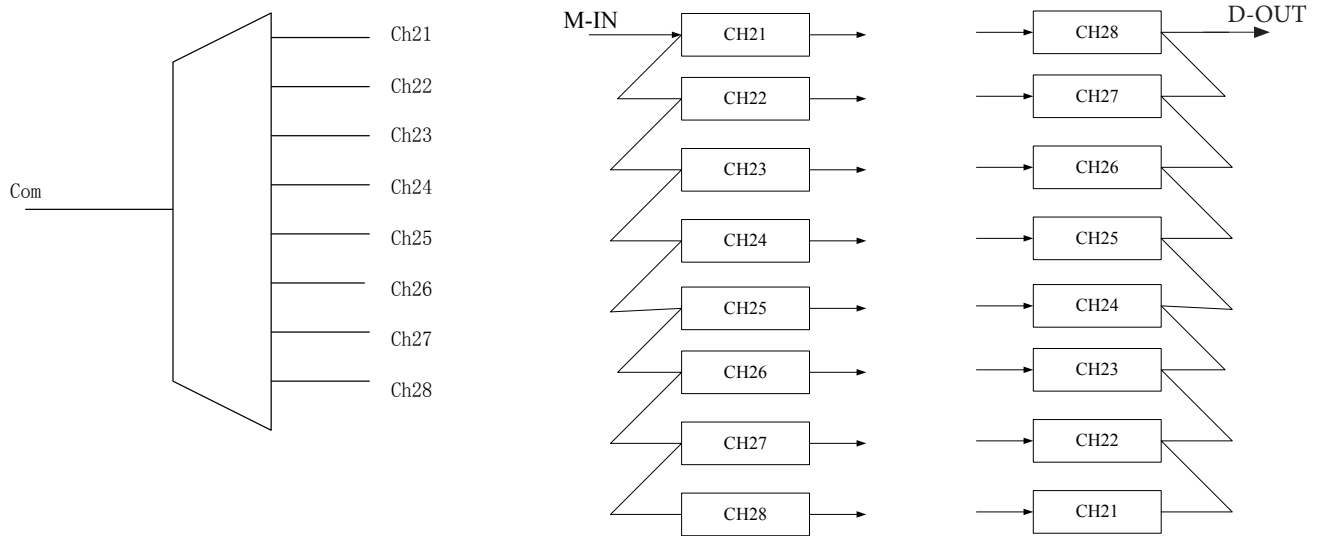
Parameters		Unit	Specifications		
			8 Channel	16 Channel	48 Channel
Operating Wavelength Range		nm	1520–1570	1520–1570	1520–1570
Standard Channel Plan <i>Custom Channel Plans Available</i>		ITU Channels	CH21, CH22, CH23, CH24, CH25, CH26, CH27, CH28	CH21, CH22, CH23, CH24, CH25, CH26, CH27, CH28, CH31, CH32, CH33, CH34, CH35, CH36, CH37, CH38	Ch16 – Ch63
Channel Spacing		GHz	100	100	100
Channel Pass Band		nm	ITU+/-0.11	ITU+/-0.11	ITU+/-0.11
Insertion Loss for Channels with Connectors		dB	≤ 3.5	≤ 5.2	≤ 7.8
Isolation	Adjacent Isolation	dB	≥ 25	≥ 25	≥ 18
	Non-Adjacent Isolation	dB	≥ 40	≥ 40	≥ 26
Ripple		dB	≤ 0.5	≤ 0.5	≤ 1.5
Directivity		dB	≥ 50	≥ 50	
Return Loss with Connector		dB	≥ 45	≥ 45	≥ 40
Polarization Dependent Loss		dB	≤ 0.2	≤ 0.2	≤ 0.5

Environmental Specifications

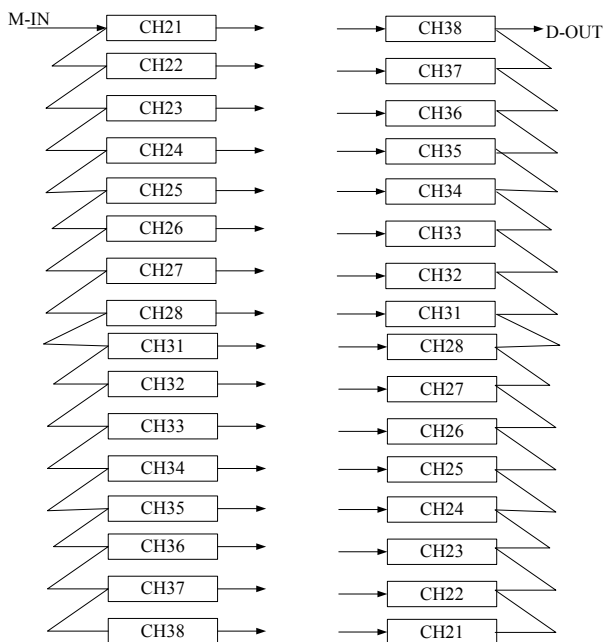
Parameters	Unit	Specifications
Operation Temperature Range	C°	0 – 70
Storage Temperature Range	C°	-40 – 85
Maximum Power Handling	mW	300

Optical Schematic

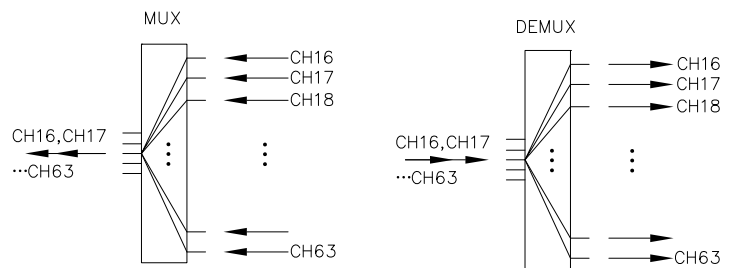
8 Channel



16 Channel



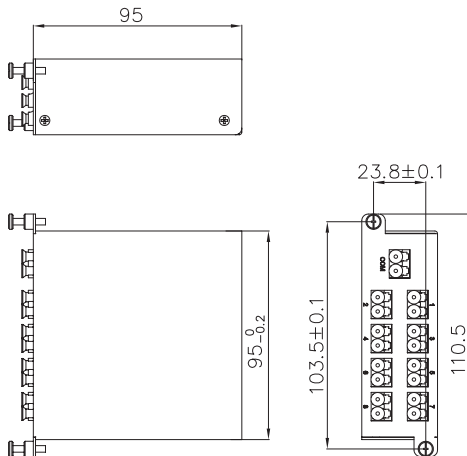
48 Channel



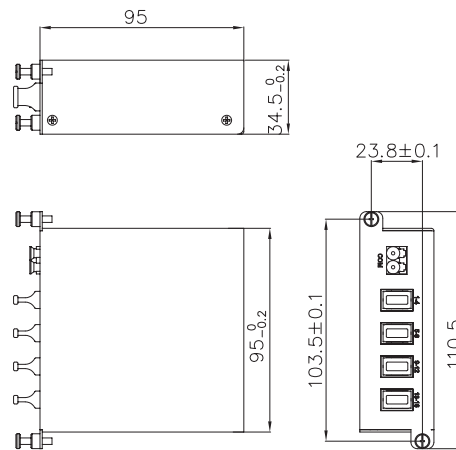
Mechanical Specifications

Parameters	Specifications		
	8 Channel	16 Channel	48 Channel
Package Dimension (mm)	95*110*34	95*110*34	210*110*34
Fiber Type	G657A1	G657A1	G657A1
Connector Type	LC/UPC	LC/UPC, MTP/APC	LC/UPC, MTP/APC

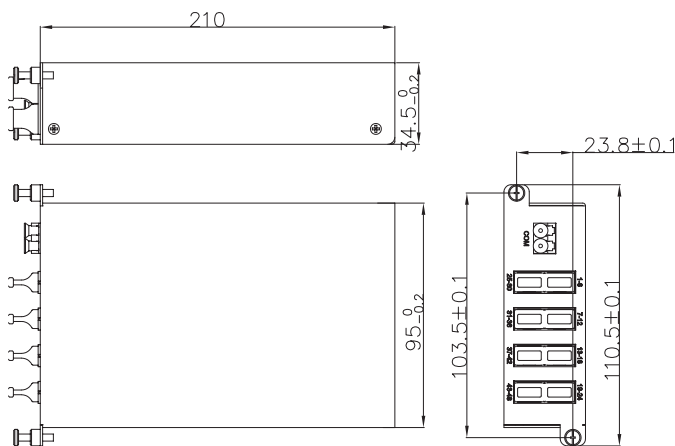
8 Channel



16 Channel



48 Channel



Ordering Information & Channel Plan

	WAVE2WAVE Part No.	Description	Channel
8 Channel	88WDM31-3081-MD	8CH 100GHz DWDM Module, Mux+Demux	ITU: CH21-28
16 Channel	88WDM31-3161-MD	16CH 100GHz DWDM Module, Mux+Demux	ITU: CH21-28, 31-38
48 Channel	88WDM31-3481-MD	48CH 100GHz DWDM Module, Mux+Demux	ITU: CH16-CH63