

# DWDM Mux Demux 1U 19" Rack

## 8/16 Channel Passive Rack Mount DWDM

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### Features

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- Low insertion loss
  - Excellent channel isolation
  - High stability and reliability
  - Epoxy-free optical path
- Compliant to G.657A1 standard  
Wide Operating Temperature: -20~+70 °C

### Applications

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- Channel Add/Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical amplifier

### Description

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8/16 Channel Passive Rack Mount DWDM Equipment Mux/Demux 100GHz/200GHz wavelength multiplexer(100,200G DWDM OADM Module) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add or drop at a ITU wavelength. It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path .It can be used for wavelength add/drop in telecommunication network system.

# Performance Specifications

Parameter		4 Channel	8 Channel	16 Channel	32 Channel	40 Channel
Channel Wavelength(nm)		ITU-T Grid				
Channel Spacing (GHz) GHz		100G/200G				
Insertion Loss(dB)		≤1.6	≤2.6	≤3.8	≤4.6	≤5.0
Channel Ripple(dB)		0.3				
Isolation(dB) Adjacent		>25				
Isolation(dB) Non-adjacent		>40				
Insertion Loss Temperature Sensitivity(dB/°C)		≤0.005				
Wavelength Temperature Shifting(nm/°C)		<0.002				
Polarization Dependent Loss(dB)		<0.1				
Polarization Mode Dispersion(PS)		<0.1				
Directivity(dB)		>50				
Return Loss (dB)		>45				
Maximum Power Handling(mW)		500				
Operating Temperature(°C)		-10~80				
Storage Temperature (°C)		-40~85				
dimension (mm) (ABS or Aluminium)		1. L100 x W80 x H10 ( 2 CH~8CH Module) 3. L140xW115xH18 (>16CH Module)		2. L120xW80xH18 (9 CH~16CH Module)		

Above specification are for device without connector

## Order Information

Channel Spacing	Channel Wavelength	Fiber type	Pigtail Type	Fiber length	Connector
50=50G	O:1260~1360nm	1-G652D	A—Bare fiber	00—Other	1—FC/UPC
100=100G	E+S:1360~1530nm	2-G657A	B—900um loose tube	05—0.5m	2—FC/APC
200=200G	C:1530~1565nm	3-Other	C—900um tight tube	10—1m	3—SC/UPC
	L:1565~1625		D—2.0mm loose tube	15—1.5m	4—SC/APC
	C20= 1561.42 nm		E—3.0mm loose tube	20—2 m	5—LC/UPC
	.....				6—LC/APC
					7—Other