

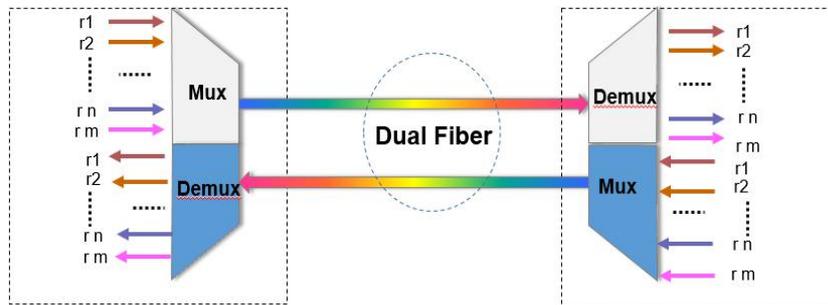
100GHz DWDM MUX DEMUX

100GHz DWDM MUX DEMUX, 2 Slots, 1U Rack, Dual Fiber



Product Features

- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ Low PDL
- ❖ Compact Design
- ❖ Good channel-to-channel uniformity Dual fiber application
- ❖ Wide Operating Wavelength
- ❖ Wide Operating Temperature: -20 to 75°C



Applications

- ❖ DWDM System
- ❖ PON Networks
- ❖ CATV Links
- ❖ Fiber optical amplifier
- ❖ Wavelength routing

Description

DWDM multi-channel multiplexer /demultiplexer (Mux /DeMux) modules are available on ITU channel spacing of 100GHz. 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.

Specification

Item	Unit	Parameters
Channel Spacing	GHz	100GHZ
Wavelength Range		C- band ITU channels
Channel Centers	nm	ITU
Channels	ch	8
Passband width	nm	$\geq \pm 0.13$
Passband Ripple	dB	≤ 0.5
Channel Insertion Loss	dB	≤ 2.4
Isolation (adjacent channel)	dB	≥ 30
Isolation (non-adjacent channel)	dB	≥ 40
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	0C	-20 to 75
Storage Temperature Range	0C	-40 to +85
Fiber Type	NA	SMF-28e+
Connector		LC/SC or other

Ordering Information

Part Number	Product Description
FM-1U19-2	FM 2-Slot 1U 19" Rack Chassis Unloaded, Holds up to 2 Units LGX BOX
FM-DWMD8-C2128	DWDM MUX DEMUX 8CH (C21-C28) with Express Port LC/UPC Dual Fiber LGX BOX
FM-DWMD8-CXXXX	DWDM MUX DEMUX 8CH (XX-XX Customer Specified) with Express Port LC/UPC Dual Fiber LGX BOX
Others	Customer Specified