

DATA SHEET

MODULETEK: MT2010-DWDM-MUXxx

MT2010-DWDM-MUXxx Overview

The MT2010 DWDM series Dense Wavelength Division Multiplexer is a low-cost WDM transmission solution. Its optional wavelength is in accordance with the ITU 100G channel standard with a channel spacing of 0.8 nm. It utilizes the low loss and high bandwidth characteristics of single mode fiber, and uses AWG arrayed waveguide grating technology to couple different wavelengths of light into one fiber for transmission, which effectively improves the utilization of fiber and reduces the network operation cost.

MT2010-DWDM-MUXxx has the advantages of small insertion loss, high isolation, stable performance and simple use. The 19-inch 1U chassis can be easily installed into a conventional cabinet. According to the needs, you can also choose 3 special ports, which are pass port, monitor port and 1310 port. The pass port can be used to further expand the network bandWide; the monitor port can be used to monitor the optical power of the service port; The 1310 port can be used for traditional 1310nm 1G/10G/40G/100G rate signal transmission.

Product Features

- 19 inch 1U rack
- customizable special ports
- Low optical insertion loss
- Passive, no electric power required
- Duplex LC/UPC connectors
- Operating temperature range : 0°C to 70°C

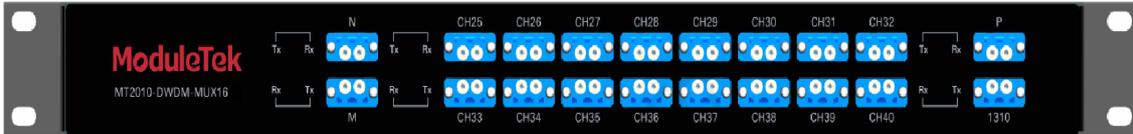
Ordering Information

Part Number	Description
MT2010-DWDM-MUXxx-CHyy-CHzz-Options	xx is number of channels, yy and zz are customized continuous channel wavelength range, ITU 100G Channel, channel spacing 0.8nm, 19 inch 1U rack
<p>Notes:</p> <p>1."-MUXxx" in the personality product model is the number of channels for the product,which is often available for 4,8,12,16 and 20,divided into tables 4-channel,8-channel,12-channel,16-channel,20-channel.</p> <p>2."-Options" in the personality product model are optional features of the product,including:M(power monitoring),P(pass-through port),G(1310 channel port).The user can mark the required optional functions in the product model,for example:MT2010-DWDM-MUX16-CH16-CH31-MPG,that is,16-channels DWDM, the working channel is CH16 to CH31,and the product supports power monitoring,pass-through channel,1310 channel.If you do not need any optional functions,please ignore the "-Options" part in the product model,for example: MT2010-DWDM-MUX16-CH16-CH31.</p>	
<p>For More Information:</p> <p>ModuleTek Limited Web: www.moduletek.com Email: sales@moduletek.com</p>	

General Specifications

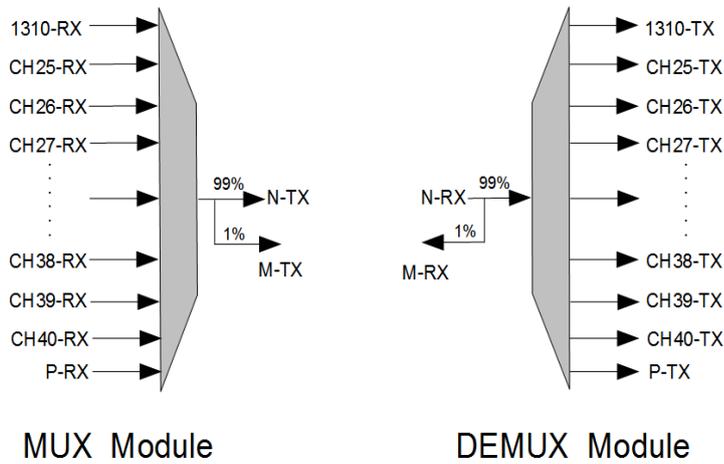
Parameter	Spec	Unit
Insertion Loss	Typ 3.6	dB
	Max 4.0	
Center Wavelength	ITU 100G Channel	nm
Channel Spacing	0.8	nm
Channel Bandwidth	±0.1	nm
1310 channel bandwidth	±40	nm
Adjacent Channel Isolation	≥30	dB
Non-Adjacent Channel Isolation	≥40	dB
Return Loss	≥50	dB
Directivity	≥55	dB
Operating temperature	0 to 70	°C
Storage temperature	-40 to 85	°C
Connector Type	LC/UPC	-
Monitor channel split ratio	1	%
Weight	1200	g

Front Panel



Notes:the above picture is the front panel of the MT2010-DWDM-MUX16-CH25-CH40-MPG product.

Wiring Diagram



Notes:the above picture is the wiring diagram of the MT2010-DWDM-MUX16-CH25-CH40-MPG product.

Dimensions (Unit: mm)

Weight : 1200g

