

DATE SHEET

MODULETEK: MT2011-DWDM-MUXxx

Overview

The MT2011 DWDM series dense wavelength division multiplexer is a low-cost WDM transmission scheme. Its optional wavelength meets the ITU 100G Channel standard, and the channel spacing is 0.8nm. Using the low loss and high bandwidth characteristics of single-mode fiber, the AWG array waveguide grating technology is used to couple the light of different wavelengths into a single fiber for transmission, effectively improving the utilization of the fiber and reducing the network operation cost.

The MT2011-DWDM-MUXxx series has the advantages of low insertion loss, high isolation, stable performance, and simple use. It is a LGX chassis, which can be easily installed in a conventional cabinet. According to the needs, three special channels can also be selected, namely, pass-through, monitoring, and 1310 channels. The pass-through channel can be used to further expand the network bandwidth; The monitoring channel can be used to monitor the optical power of the service port; 1310 channel can be used for traditional 1310nm 1G/10G/40G/100G rate signal transmission.

Product Features

- Low insertion loss
- High isolation
- Working wavelength width
- High reliability and stability
- No glue in optical path
- Dual LC/UPC interface
- LGX chassis

Applications

- Electric communication
- Campus network
- Enterprise network
- MAN and access network
- WDM system
- Cable TV network

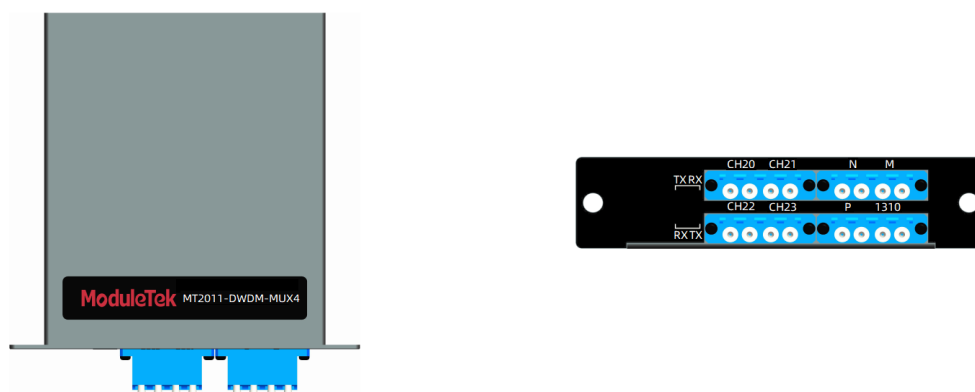
Ordering Information

Part Number	Description
MT2011-DWDM-MUXxx-CHyy-CHzz-Options-00	DWDM, xx is the number of product channels yy, zz are customized continuous channel wavelength range, 00 is the version number, channel wavelength meets ITU 100G Channel standard, channel spacing 0.8nm, dual-fiber LC interface, LGX chassis
<p>Notes:</p> <p>1.The "xx" in the "- MUXxx" in the product model is the number of channels of the product, which can be taken as 2, 4, 6, and 8, respectively representing 2, 4, 6, and 8 channel dense wavelength division multiplexers.</p> <p>2.The "- Options" in the product model are optional functions of the product, including: M(power monitoring), P(pass-through port), G(1310 channel port) Users can mark the required optional functions in the product model, for example: MT2011-DWDM-MUX4-CH20-CH23-M-00, that is, channel dense wavelength division multiplexer, working channels are CH20 to CH23, and support power monitoring optional functions. If you do not need any optional functions, please ignore the "- Options" part in the product model, for example: MT2011-DWDDM-MUX4-CH20-CH23-00, if the number of channels is eight, you can select only one special port.</p>	
<p>For More Information: ModuleTek Limited Web: www.moduletek.com Email: sales@moduletek.com</p>	

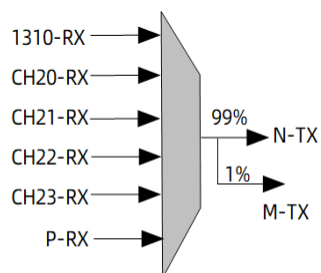
General Product Specifications

Parameter	Unit	DWDM OADM Module			
		2	4	6	8
Number Of Channels	CH	2	4	6	8
Working Wavelength	nm	1520~1620			
Transmission Broadband	GHz	100			
Insertion Loss	dB	≤1.0	≤1.5	≤2.0	≤2.5
Adjacent Channel Isolation	dB	≥30			
Non-Adjacent Channel Isolation	dB	≥40			
Return Loss	dB	≥45			
Directivity	dB	≥45			
Package Size	mm	LGX			
Working Temperature	°C	-5~75			
Storage Temperature	°C	-40~85			

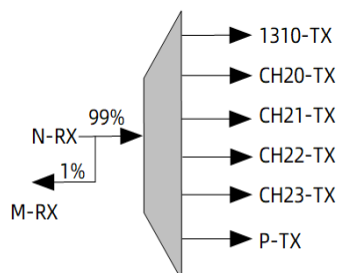
Front Panel



Wiring Diagram



MUX Module



DEMUX Module

Dimension (Unit: mm)

