

DATE SHEET

MODULETEK: MT2011-CWDM-OADMxx

Overview

MT2011 CWDM series coarse wavelength division multiplexer is a low-cost WDM transmission scheme, with optional wavelengths ranging from 1271 nm to 1611 nm and channel spacing of 20 nm. It utilizes the low loss and high bandwidth characteristics of single-mode fiber to couple different wavelengths of light into a single fiber for transmission, effectively improving the utilization of optical fiber and reducing the network operation cost.

MT2011-CWDM-OADMxx has a total of 18 channels. Its main function is to separate and insert several optional wavelengths from the multi-wavelength channels. It allows different wavelength signals of different optical networks to be inserted and multiplexed at different locations. It is flexible in networking and easy to upgrade and expand the network. The product has excellent performance, low insertion loss, high isolation, stable performance, low delay and easy to use. The appearance is LGX chassis, which can be easily installed in conventional cabinets. According to needs, You can also select one or two of the three special channels for customization. The three special channels are 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

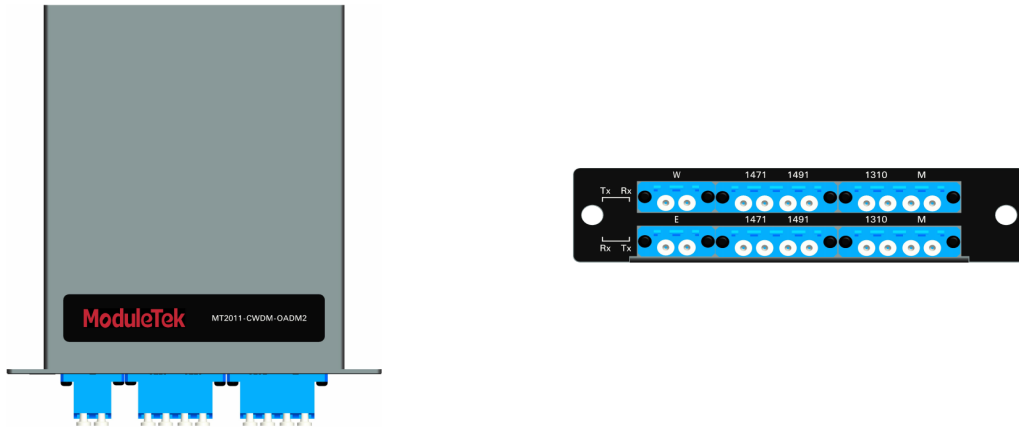
Ordering Information

Part Number	Description
MT2011-CWDM-OADMxx-yyzz-Options-00	CWDM OADM, xx is the number of product channels, yyzz is the customized continuous channel wavelength range, 00 is the version number, dual-fiber LC interface, LGX chassis
<p>Notes:</p> <p>1. "Xx" in "- MUXxx" in the product model refers to the number of channels of the product, which can be taken as 1, 2, 3 and 4, respectively representing 1, 2, 3 and 4 channels of coarse wavelength optical add-drop multiplexer. "yyzz" in the product model refers to the ordered continuous channel wavelength range, which can be freely selected from 1271 nm to 1611 nm, with channel spacing of 20 nm.</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-CWDM-OADM2-4749-MPG-00, that is, 2-channel coarse wave optical add-drop multiplexer, channel wavelength from 1471 to 1491 (14711491), and supports three optional functions of power monitoring, pass-through channel and 1310 channel at the same time; for example: MT2011-CWDM-OADM1-1551-MPG-00, that is, 1-channel coarse wave optical add-drop multiplexer with channel wavelength of 1511, and supports three optional functions of power monitoring, pass-through channel and 1310 channel at the same time.; if you do not need any optional functions, please ignore the "- Options" part in the product model, for example: MT2011-CWDM-OADM2-4749-00.</p> <p>3. When your customized wavelength range covers 1310nm, 1310 special channel cannot be customized</p>	
<p>For more information or to order the above products, please contact: E-mail: sales_cn@moduletek.com</p>	

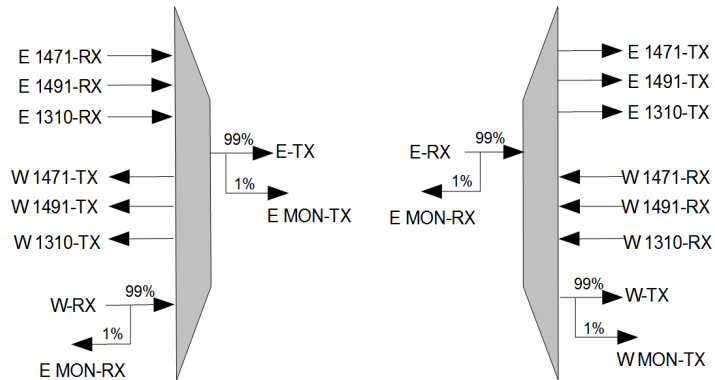
General Product Specifications

Parameter	Unit	CWDM OADM Module			
		1	2	3	4
Number Of Channels	CH	1	2	3	4
Working Wavelength	nm	1270 ~ 1610/1271 ~ 1611			
Transmission Broadband	nm	±6.5			
Insertion Loss	dB	≤1.0	≤1.5	≤2.0	≤2.5
Adjacent Channel Isolation	dB	≥30			
Non-Adjacent Channel Isolation	dB	≥35			
Return Loss	dB	≥45			
Directivity	dB	≥50			
Package Size	mm	LGX			
Working Temperature	°C	-5 ~ 75			
Storage Temperature	°C	-40 ~ 85			

Front Panel



Wiring Diagram



Dimension (Unit: mm)

