DATE SHEET

MODULETEK: MT2010-CWDM-MUXxx

MT2010-CWDM-MUXxx Overview

MT2010 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.

MT2010-CWDM-MUX8 has a total of 18 channels, which have the advantages of low insertion loss, high isolation, stable performance, and simple use. It is a 19-inch 1U 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
1U chassis

Applications

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

Ordering Information

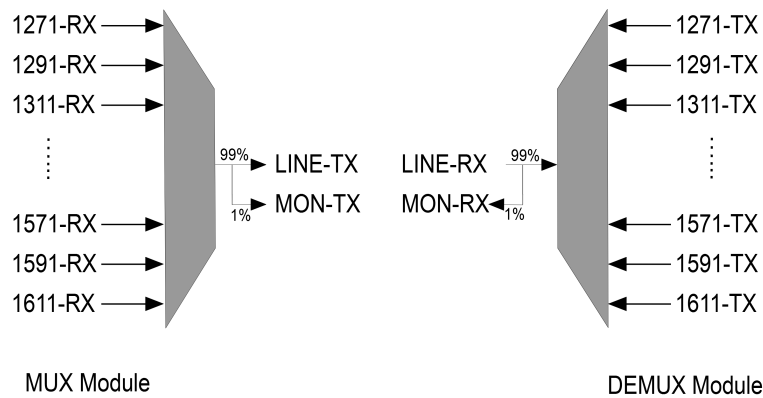| Part Number	Description
MT2010-CWDM-MUXxx-yyzz-Options-00	CWDM,xx is the number of product channels,yyzz is the customized continuous channel wavelength range,00 is the version number,dual-fiber LC interface,1U chassis
Notes: 1."Xx" in "- MUXxx" in the product model is the number of channels of the product, which can be taken as 4, 6, 8, 12 and 16, respectively representing 4, 6, 8, 12 and 16 channels of coarse wavelength division multiplexer. "yyzz" in the product model is the ordered continuous channel wavelength range, which can be freely selected from 1271 nm to 1611 nm, with channel spacing of 20 nm. 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: MT2010-CWDM-MUX18-2761-M-00,that is,18-channel coarse wavelength division multiplexer,channel wavelength from 1271 to 1611 (that is, 1271/1291/1311/1331/1351/1371/1391/1411/1431/ 1451/1471/1491/1511/1531/1551/1571/1591/1611),and support power monitoring channel ;If you do not need any optional functions,please ignore the "- Options" part in the product model,for example:MT2010-CWDM-MUX18-2761-00. 3.When your customized wavelength range covers 1310nm, 1310 special channel cannot be customized	
For more information or to order the above products, please contact: E-mail：sales_cn@moduletek.com	

General Product Specifications

Parameter	Unit	CWDM Module						
Number Of Channels	CH	2	4	6	8	9	16	18
Working Wavelength	nm	1270～1610/1271～1611						
Transmission Broadband	nm	±6.5						
Insertion Loss	dB	≤1.0	≤1.5	≤2.0	≤2.5	≤2.8	≤4.5	≤5.0
Adjacent Channel Isolation	dB	≥30						
Non-Adjacent Channel Isolation	dB	≥40						
Return Loss	dB	≥45						
Directivity	dB	≥50						
Package Size	mm	19" Rack						
Working Temperature	°C	-5～75						
Storage Temperature	°C	-40～85						

Front Panel

Note: The figure above shows the front panel of MT2010-CWDM-MUX18-2761-M-00 product

Wiring Diagram

Note: The above figure is the wiring diagram of MT2010-CWDM-MUX18-2761-M-00 product

Dimension (Unit: mm)