

DATA SHEET

MODULETEK: MT2011-DWDM-OADM1

MT2011-DWDM-OADM1 Overview

The MT2011 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.

MT2011-DWDM-OADM1 has only one channel. The main function is to separate and insert one optional wavelength from the multi-wavelength channel, allowing different wavelength signals of different optical networks to be inserted and multiplexed at different locations. Easy network upgrade and scale up. The product has excellent performance, small insertion loss, high isolation, stable performance, small delay and simple use. The shape is LGX chassis, which 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

LGX chassis

Single wavelength channel, customizable special port

Low optical insertion loss

Passive, no electric power required

Duplex LC/UPC connectors

Operating temperature range : 0°C to 70°C

Ordering Information

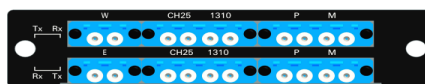
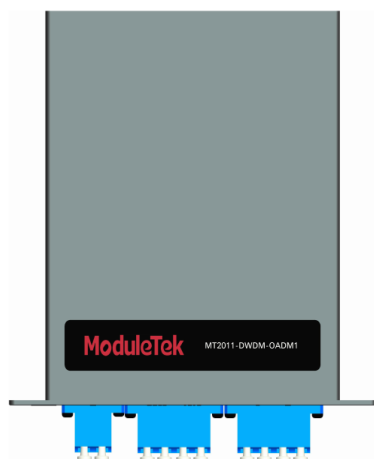
Part Number	Description
MT2011-DWDM-OADM1-CH16	Single channel optical add/drop multiplexer, CH16, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH17	Single channel optical add/drop multiplexer, CH17, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH18	Single channel optical add/drop multiplexer, CH18, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH19	Single channel optical add/drop multiplexer, CH19, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH20	Single channel optical add/drop multiplexer, CH20, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH21	Single channel optical add/drop multiplexer, CH21, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH22	Single channel optical add/drop multiplexer, CH22, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH23	Single channel optical add/drop multiplexer, CH23, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH24	Single channel optical add/drop multiplexer, CH24, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH25	Single channel optical add/drop multiplexer, CH25, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH26	Single channel optical add/drop multiplexer, CH26, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH27	Single channel optical add/drop multiplexer, CH27, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH28	Single channel optical add/drop multiplexer, CH28, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH29	Single channel optical add/drop multiplexer, CH29, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH30	Single channel optical add/drop multiplexer, CH30, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH31	Single channel optical add/drop multiplexer, CH31, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH32	Single channel optical add/drop multiplexer, CH32, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH33	Single channel optical add/drop multiplexer, CH33, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH34	Single channel optical add/drop multiplexer, CH34, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH35	Single channel optical add/drop multiplexer, CH35, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port

MT2011-DWDM-OADM1-CH36	Single channel optical add/drop multiplexer, CH36, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
MT2011-DWDM-OADM1-CH37	Single channel optical add/drop multiplexer, CH37, ITU 100G Channel, channel spacing 0.8nm, with pass port, monitor port and 1310 port
Notes: 1.The channel wavelength of the product in the above table and the special port are the default solutions for this model. We can also customize other solutions for customers with special requirements. 2.Special ports have pass port, monitor port and 1310 port; Channel wavelength customizable range meets ITU 100G Channel standards. 3.When your custom wavelength range covers 1310nm, the 1310 special port will not be customizable.	
For More Information: ModuleTek Limited Web: www.moduletek.com Email: sales@moduletek.com	

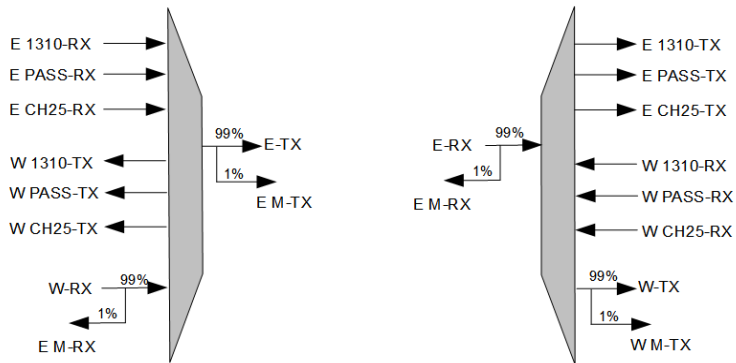
General Specifications

Parameter	Spec	Unit
Insertion Loss	Typ 0.6	dB
	Max 0.8	
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	-

Front Panel



Wiring Diagram



Dimensions (Unit: mm)

