

## DATA SHEET

### MODULETEK: MT2011-CWDM-MUX8

#### MT2011-CWDM-MUX8 Overview

The MT2011 CWDM series coarse-wavelength division multiplexer is a low-cost WDM transmission scheme with selectable wavelengths from 1271nm to 1611nm and channel spacing of 20nm. The low-loss and high-bandwidth characteristics of single-mode fiber are used to couple different wavelengths of light into one fiber for transmission, which effectively improves the utilization of the fiber and reduces the network operation cost.

MT2011-CWDM-MUX8 has 8 channels with wavelengths from 1471nm to 1611nm. It has the advantages of small insertion loss, high isolation, stable performance and simple use. The shape is LGX chassis, which can be easily installed into a conventional cabinet. You can also choose any of the 3 special channels as needed, pass port, monitor port and 1310 port. The pass port can be used to further expand the network bandwidth; 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
- 8 channels, customizable special ports
- Low optical insertion loss
- Passive, no electric power required
- Duplex LC/UPC connectors
- Operating temperature range : 0°C to 70°C

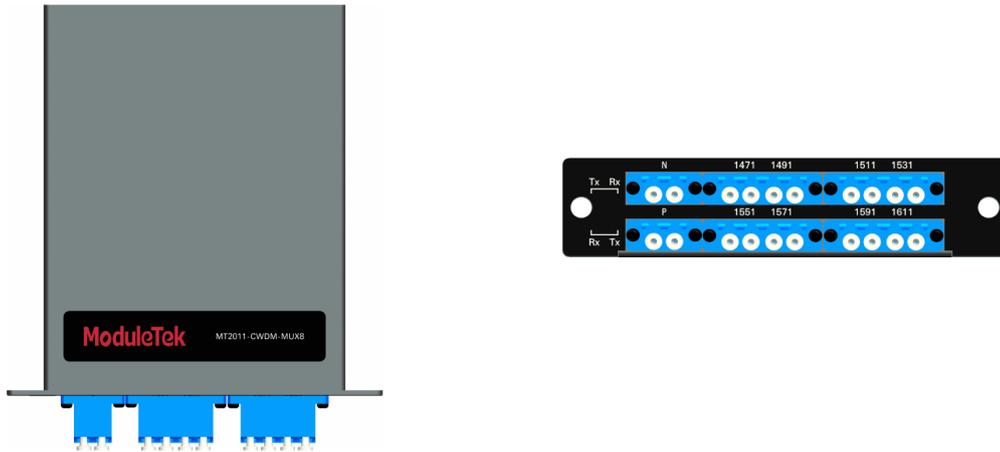
## Ordering Information

Part Number	Description
MT2011-CWDM-MUX8	8-channel(1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611) coarse wavelength division multiplexer, with pass port, LC connectors
<b>Notes:</b> 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, Choose one when customizing; channel wavelengths can be continuously selected from 1271nm-1611nm. 3.When your custom wavelength range covers 1310nm, the 1310 special port will not be customizable.	
<b>For More Information:</b> ModuleTek Limited Web: <a href="http://www.moduletek.com">www.moduletek.com</a> Email: <a href="mailto:sales@moduletek.com">sales@moduletek.com</a>	

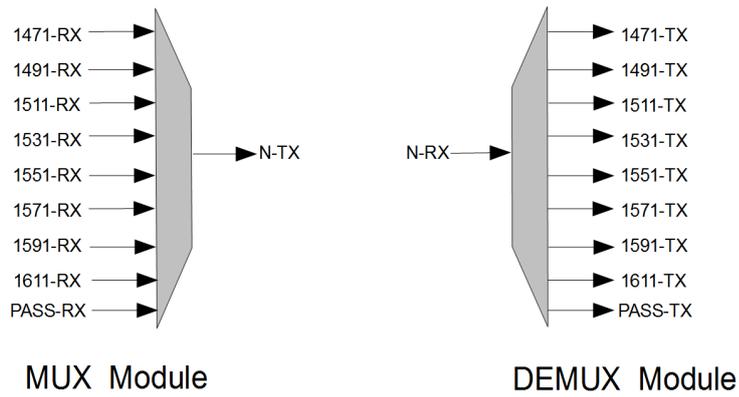
## General Specifications

Parameter	Spec	Unit
Insertion Loss	Typ 2.6	dB
	Max 3.2	
Center Wavelength	1471,1491,1511,1531,1551,1571,1591,1611	nm
Channel Spacing	20	nm
Channel Bandwidth	±6.5	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)

