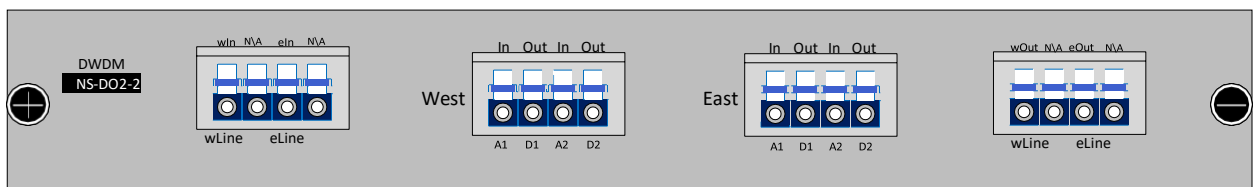# DWDM Add and Drop Mux Demux

The DWDM add-and-drop multiplexer card is generally used in the intermediate nodes of chain or ring type network, which can selectively receive and transmit or upload and download some wavelength division channels from the transmission signal without affecting the transmission of other channels. The single DWDM OADM multiplexer card supports up to 8 channels' add-drop separately on two different directions
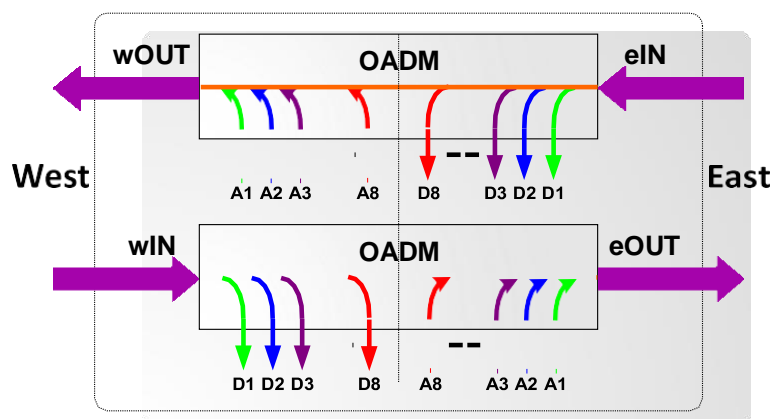
Product Feature

● High isolation, low insertion loss, high reliability and stability, meet GR-1221 standard

● Supports 2 ~ 8 wave customizable for single or dual fiber line

● Support DWDM (100GHz or 50GHz) applications

● Opening is convenient, without power supply, without setting up the working environment

● No energy consumption, meet environmental requirements, not increase the machine room load

● No need to debug, no network management necessary, achieve zero maintenance

● Transparent transmission is not related to the speed, format, content and applicability of the business

● Module structure, reusable, long service life

Product Diagram

● Functional Structure

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Product Specification

Number of channels	1	2	4	8
Occupied slot number	1	1	1	2
Wavelength range	DWDM: C Band, 100 GHZ or 50 GHZ			
Insertion loss	< 1 dB	< 1.5 dB	< 2.5 dB	< 3.5 dB
Isolation ratio of adjacent channels	> 30 dB	> 30 dB	> 30 dB	> 30 dB
Isolation ratio of non-adjacent channels	> 40 dB	> 40 dB	> 40 dB	> 40 dB
Return loss	> 45 dB	> 45 dB	> 45 dB	> 45 dB
Direction	> 50 dB	> 50 dB	> 50 dB	> 50 dB
Interface type	All interfaces are LC type			
Work temperature	-40～85℃			
Storage temperature	-40～85℃			

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