

LGX Cassette DWDM OADM CH15 to CH64, 1-8CH

Description

The GrowsFiber LGX Cassette DWDM OADM is designed for optical add/drop multiplexing optical signals in multi-wavelength DWDM network applications. It is based on TFF technology and operates at 100GHz or 200GHz channel spacing ITU Grid DWDM wavelengths from CH15 to CH64. The Port Configuration (1-8CH Add/Drop Ports), Channel Spacing, and Adapter Type can be customized.

Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Wide operating wavelength range
- High reliability and high stability
- Telcordia GR-1209-CORE-2001 compliant
- Telcordia GR-1221-CORE-1999 compliant
- ITU-T G.694.1 compliant
- RoHS compliant



Applications

- Metro Optical Transport Network
- Telecommunications Network
- Long-Haul Optical Backbone Network

LGX Cassette DWDM OADM

CH15 to CH64, 1-8CH

Specifications

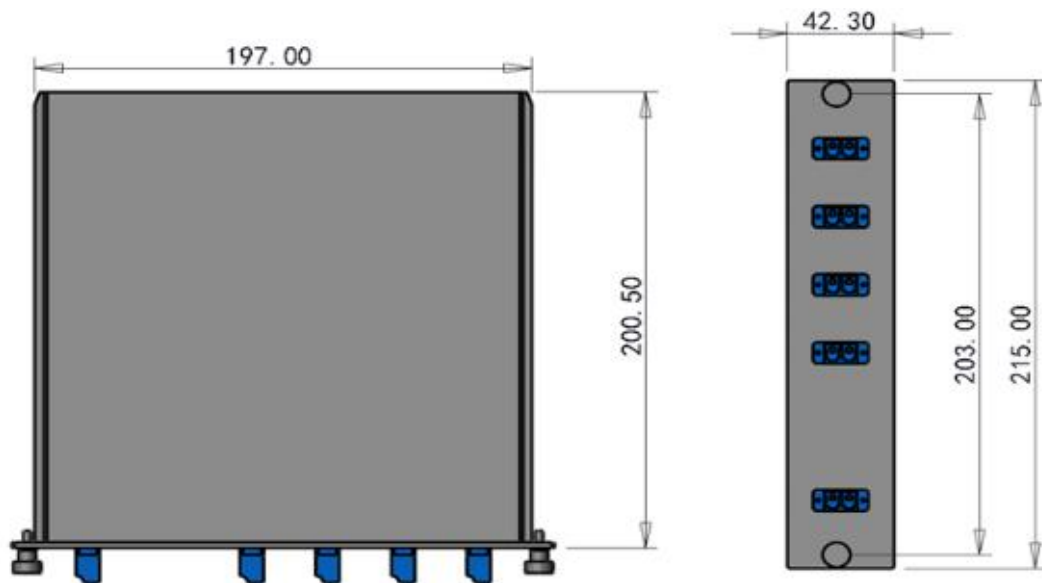
Parameters	Channel Options							
Port Configuration	1CH	2CH	3CH	4CH	5CH	6CH	7CH	8CH
Center Wavelength (nm)	ITU Grid							
Operating Wavelength (nm)	1525 to 1565							
Channel Space (nm)	0.8 or 1.6							
Passband @0.5dB (nm)	ITU±0.11							
Add/Drop Channel IL (dB)	< 1.2	< 1.6	< 1.8	< 2.0	< 2.2	< 2.4	< 2.8	< 3.2
Input/Output Channel IL (dB)	< 1.0	< 1.6	< 1.8	< 2.2	< 3.2	< 3.4	< 3.8	< 4.0
Adjacent Channels Isolation (dB)	> 30							
Non-Adjacent Isolation (dB)	> 40							
Express Channel Isolation (dB)	> 20							
Directivity (dB)	> 50							
Return Loss (dB)	> 45							
Ripple (dB)	< 0.3				< 0.4		<0.5	
PDL (dB)	< 0.1							
PMD (ps)	< 0.1							
Maximum Optical Power (mw)	300							
Operating Temperature (°C)	-5 to +75							
Storage Temperature (°C)	-40 to +85							
Package (mm) (L×W×H)	215×200×42							

Notes: An additional 0.3dB loss ought to be added per adapter.

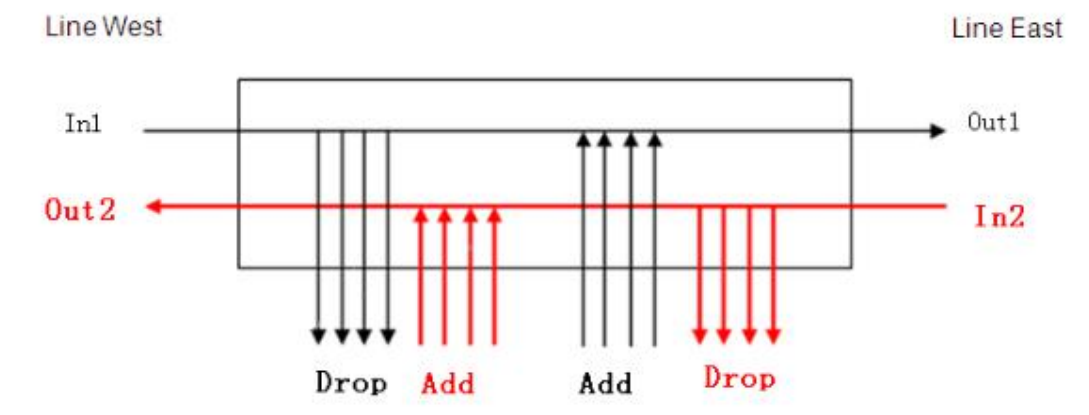
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Mechanical Dimensions

Example:



Structure Diagram



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Ordering Information

Part Number	Description
GFDOL1	LGX Cassette DWDM OADM, 1CH
GFDOL2	LGX Cassette DWDM OADM, 2CH
GFDOL3	LGX Cassette DWDM OADM, 3CH
GFDOL4	LGX Cassette DWDM OADM, 4CH
GFDOL5	LGX Cassette DWDM OADM, 5CH
GFDOL6	LGX Cassette DWDM OADM, 6CH
GFDOL7	LGX Cassette DWDM OADM, 7CH
GFDOL8	LGX Cassette DWDM OADM, 8CH

Note: If there is a demand for orders that are different from those described above, please contact GrowsFiber. Customized options are shown as following:

Channel Spacing	100GHz, 200GHz
Add/Drop Ports	CH15 to CH64
Adapter Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC