

LGX Cassette CWDM OADM

1270nm to 1610nm, 1-8CH

Description

The GrowsFiber LGX Cassette CWDM OADM is designed for optical add/drop multiplexing optical signals in multi-wavelength CWDM network applications. It is based on TFF technology and operates at 20nm channel spacing ITU Grid CWDM wavelengths from 1270nm to 1610nm. The Port Configuration (1-8CH Add/Drop Ports) 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.694.2 compliant
- RoHS compliant



Applications

- Metro Optical Transport Network
- Telecommunications Network

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Specifications

Parameters	Channel Options							
Port Configuration	1CH	2CH	3CH	4CH	5CH	6CH	7CH	8CH
Center Wavelength (nm)	1270 to 1610							
Operating Wavelength (nm)	1260 to 1620							
Channel Space (nm)	20							
Pass Band (nm)	ITU±6.5							
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							
Directivity (dB)	> 50							
Return Loss (dB)	> 45							
Ripple (dB)	< 0.5							
PDL (dB)	< 0.2							
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							

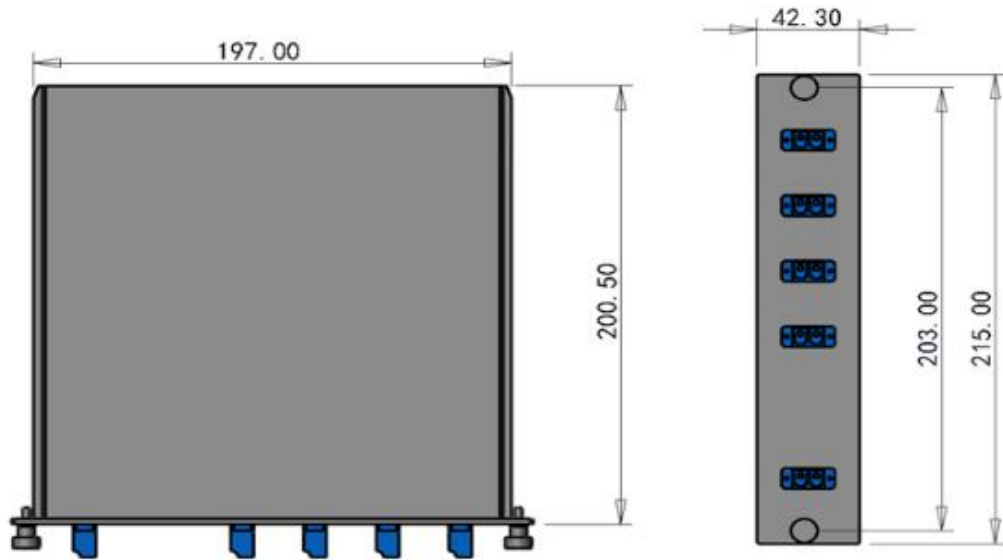
Notes: An additional 0.3dB loss ought to be added per adapter.

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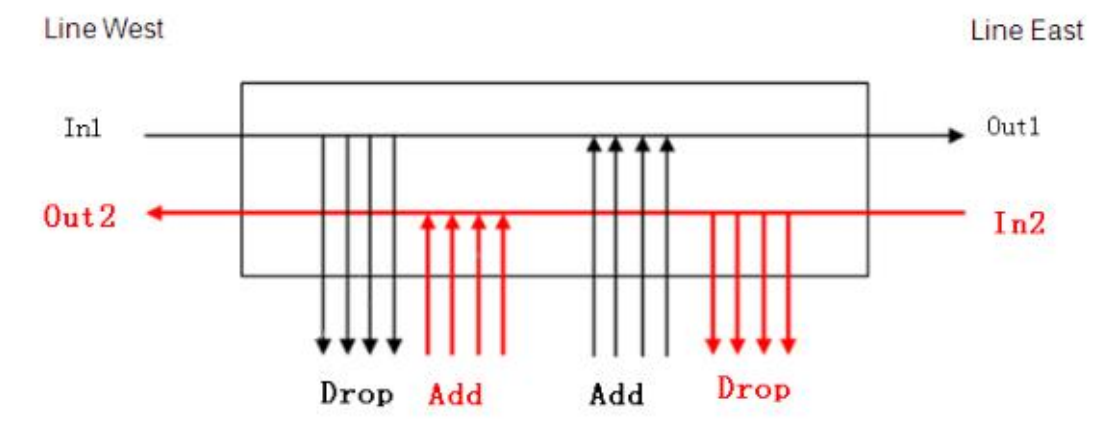
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Mechanical Dimensions

Example:



Structure Diagram



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Ordering Information

Part Number	Description
GFCOL1	LGX Cassette CWDM OADM, 1CH
GFCOL2	LGX Cassette CWDM OADM, 2CH
GFCOL3	LGX Cassette CWDM OADM, 3CH
GFCOL4	LGX Cassette CWDM OADM, 4CH
GFCOL5	LGX Cassette CWDM OADM, 5CH
GFCOL6	LGX Cassette CWDM OADM, 6CH
GFCOL7	LGX Cassette CWDM OADM, 7CH
GFCOL8	LGX Cassette CWDM 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:

Add/Drop Ports	1270nm to 1610nm (20nm Spacing)
Adapter Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC