

TFF DWDM OADM

CH15 to CH64, 1-8CH

Description

The GROWSFIBER TFF 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, Box Size, Fiber Type, Fiber Length, and Connector 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

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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)	ABS Box	80×58×8, 100×80×10, 120×80×18, 140×115×18							
	LGX Cassette	Standard, 2 in 1, 4 in1							

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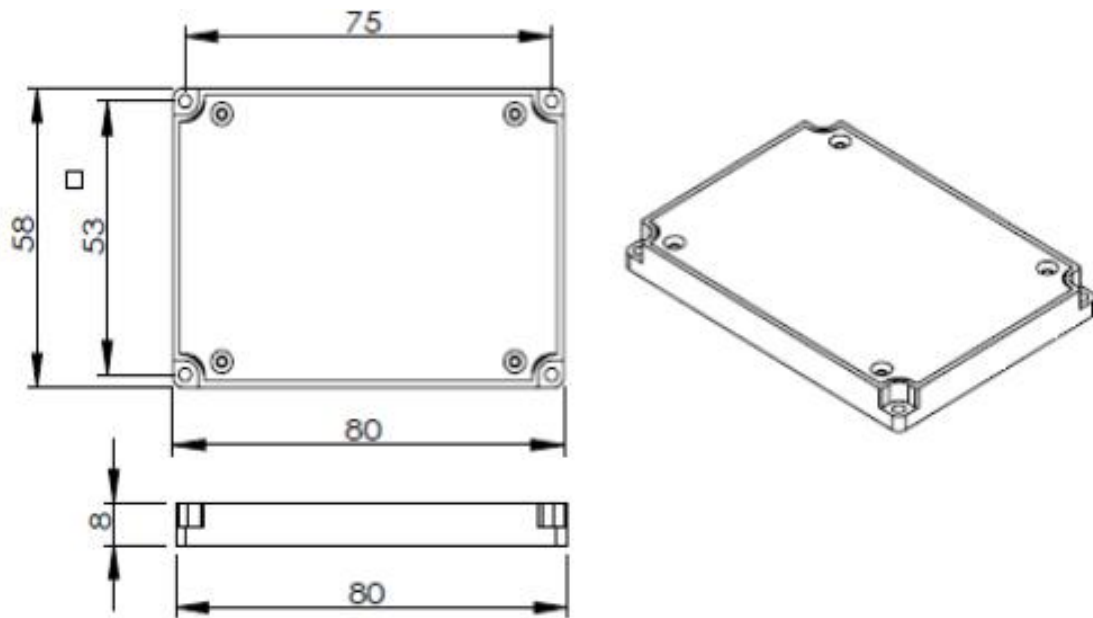
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Parameters		Channel Options
	Rack Mount	483×245×44

Notes:

1. For ABS Box all specifications are based on the devices with connectors, and guaranteed over wavelength and temperature. Fiber type is G657A.
2. For LGX Cassette and Rack Mount an additional 0.3dB loss ought to be added per adapter.

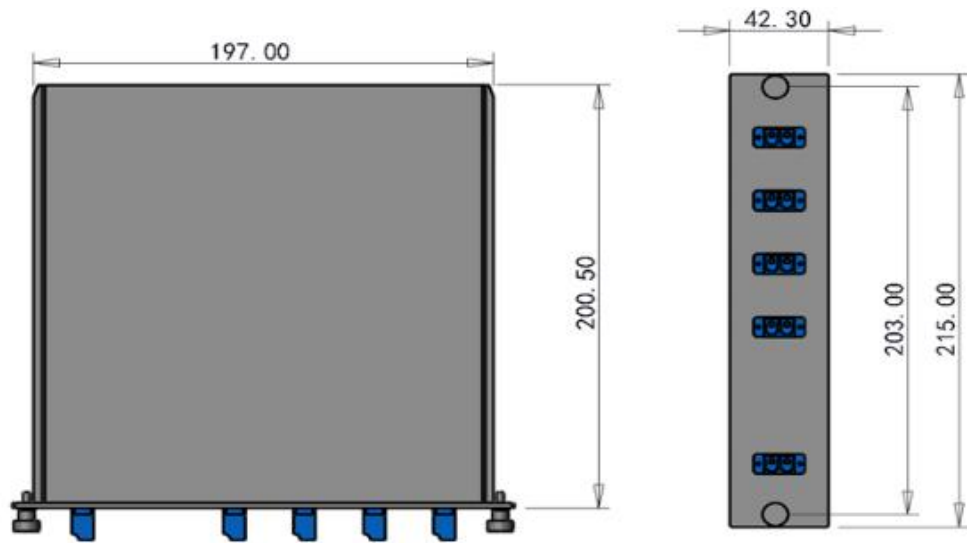
Mechanical Dimensions



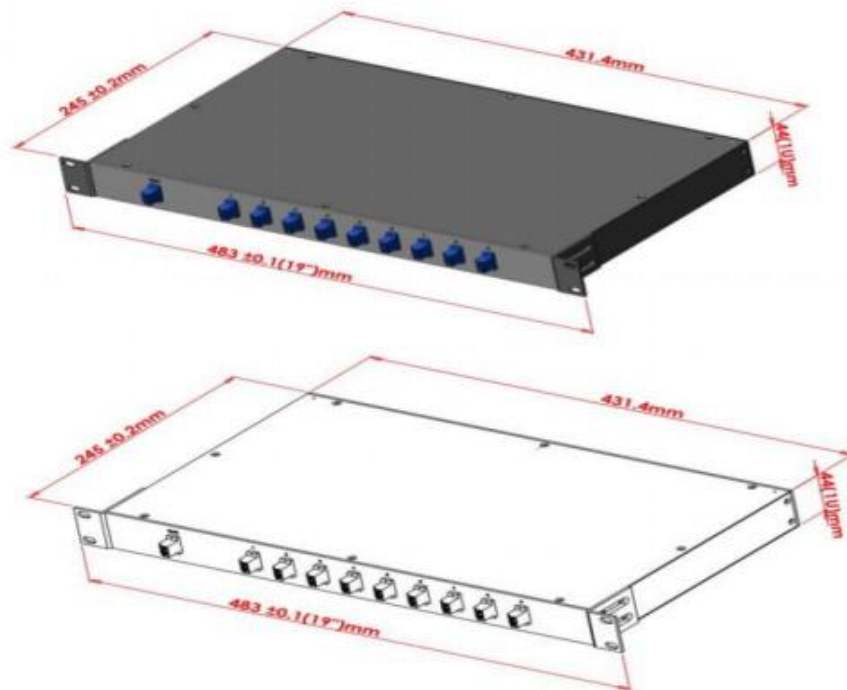
ABS Box

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LGX Cassette

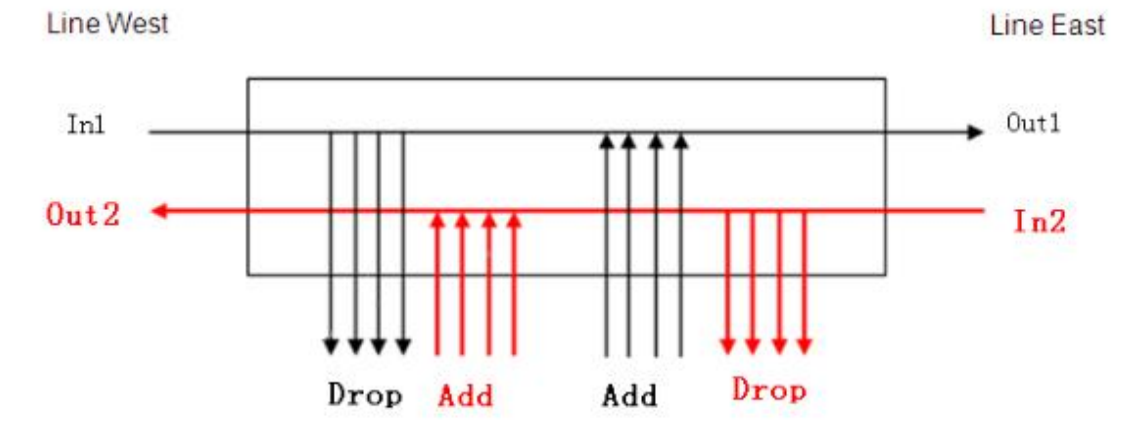


Rack Mount

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Structure Diagram



Ordering Information

Part Number	Description
GFDOA1	ABS Box DWDM OADM, 1CH
GFDOA2	ABS Box DWDM OADM, 2CH
GFDOA3	ABS Box DWDM OADM, 3CH
GFDOA4	ABS Box DWDM OADM, 4CH
GFDOA5	ABS Box DWDM OADM, 5CH
GFDOA6	ABS Box DWDM OADM, 6CH
GFDOA7	ABS Box DWDM OADM, 7CH
GFDOA8	ABS Box DWDM OADM, 8CH
GFDOL1	LGX Cassette DWDM OADM, 1CH
GFDOL2	LGX Cassette DWDM OADM, 2CH
GFDOL3	LGX Cassette DWDM OADM, 3CH
GFDOL4	LGX Cassette DWDM OADM, 4CH

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Part Number	Description
GFDOL5	LGX Cassette DWDM OADM, 5CH
GFDOL6	LGX Cassette DWDM OADM, 6CH
GFDOL7	LGX Cassette DWDM OADM, 7CH
GFDOL8	LGX Cassette DWDM OADM, 8CH
GFDOR1	Rack Mount DWDM OADM, 1CH
GFDOR2	Rack Mount DWDM OADM, 2CH
GFDOR3	Rack Mount DWDM OADM, 3CH
GFDOR4	Rack Mount DWDM OADM, 4CH
GFDOR5	Rack Mount DWDM OADM, 5CH
GFDOR6	Rack Mount DWDM OADM, 6CH
GFDOR7	Rack Mount DWDM OADM, 7CH
GFDOR8	Rack Mount 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
ABS Box	Box Size	80×58×8, 100×80×10, 120×80×18, 140×115×18
	Fiber Type	None, 250um bare fiber, 0.9mm loose tube, 2.0mm loose tube
	Fiber Length	1.0m, 1.5m, 2.0m, 2.5m, ...
Connector Type/Adapter Type		None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC