

TFF DWDM Mux DeMux

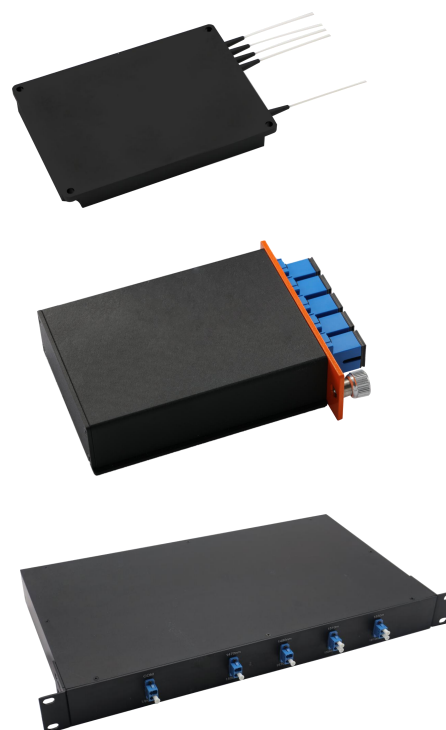
CH15 to CH64, 2-16CH

Description

The GROWSFIBER TFF DWDM Mux DeMux is designed for 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 Mux Type, Port Configuration (2-16CH Ports, 1310nm Port, Upgrade Port, Monitoring Port), Channel Spacing, and Adapter Type can be customized.

Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Good channel-to-channel uniformity
- 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

- Data Center Interconnect Network
- Metro Optical Transport Network
- Telecommunications Network
- Long-Haul Optical Backbone Network

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Specifications

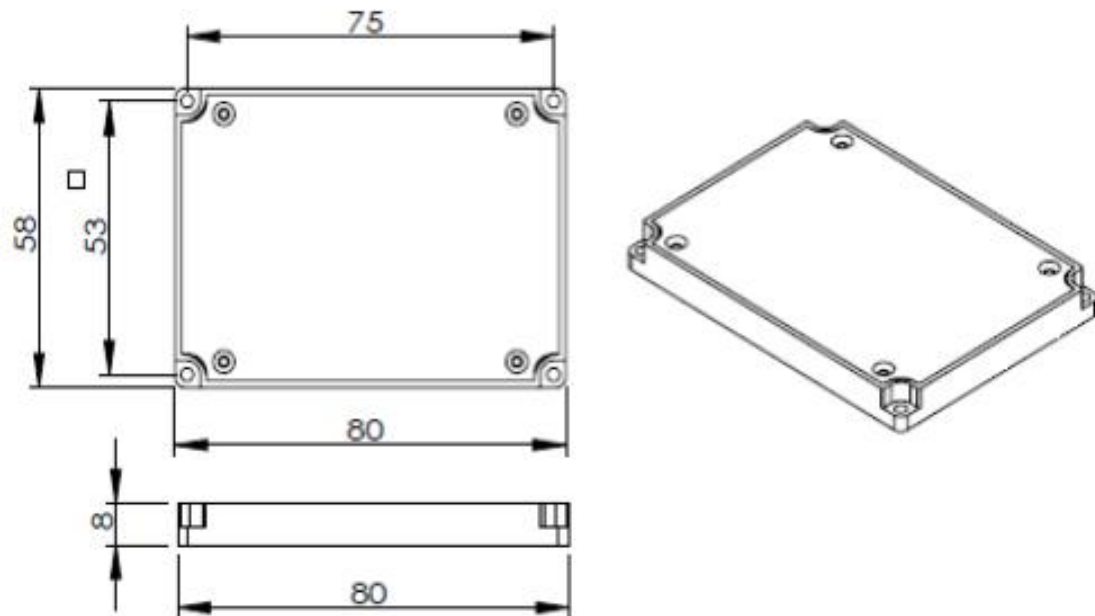
Parameters		Channel Options			
Port Configuration		2CH	4CH	8CH	16CH
Center Wavelength (nm)		ITU Grid			
Operating Wavelength (nm)		1520 to 1620			
Channel Space (nm)		0.8 or 1.6			
Passband @0.5dB (nm)		0.22			
Channels IL (dB)		< 1.5	< 1.8	< 2.6	< 4.2
Link IL (Mux+Demux) (dB)		< 2.7	< 3.0	< 3.8	< 5.4
Adjacent Channels Isolation (dB)		> 30			
Non-Adjacent Isolation (dB)		> 45			
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)	ABS Box	80×58×8, 100×80×10, 120×80×18, 140×115×18			
	LGX Cassette	Standard, 2 in 1, 4 in 1			
	Rack Mount	483×245×44			

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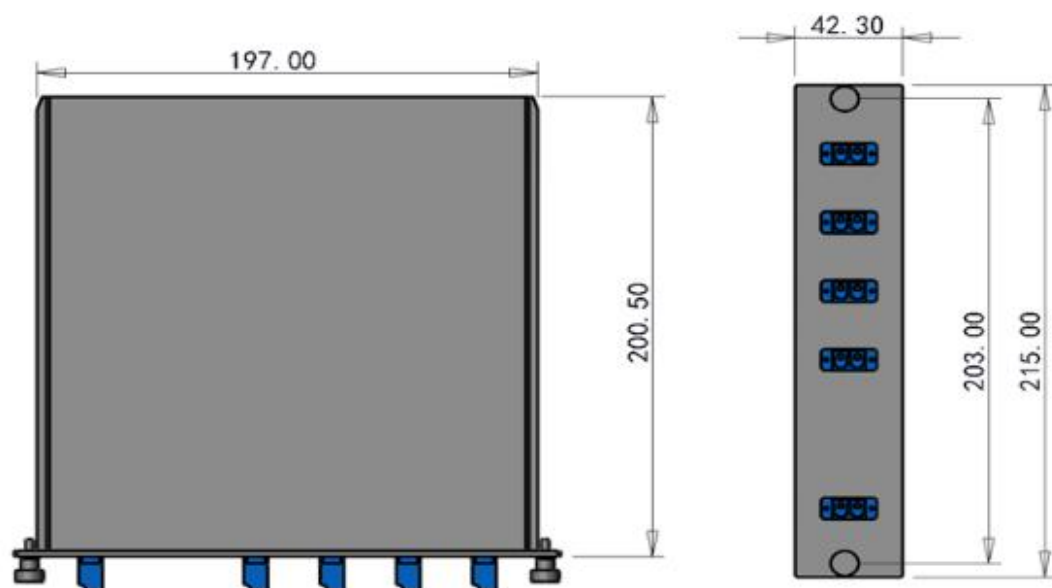
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Notes: For LGX Cassette and Rack Mount an additional 0.3dB loss ought to be added per adapter.

Mechanical Dimensions



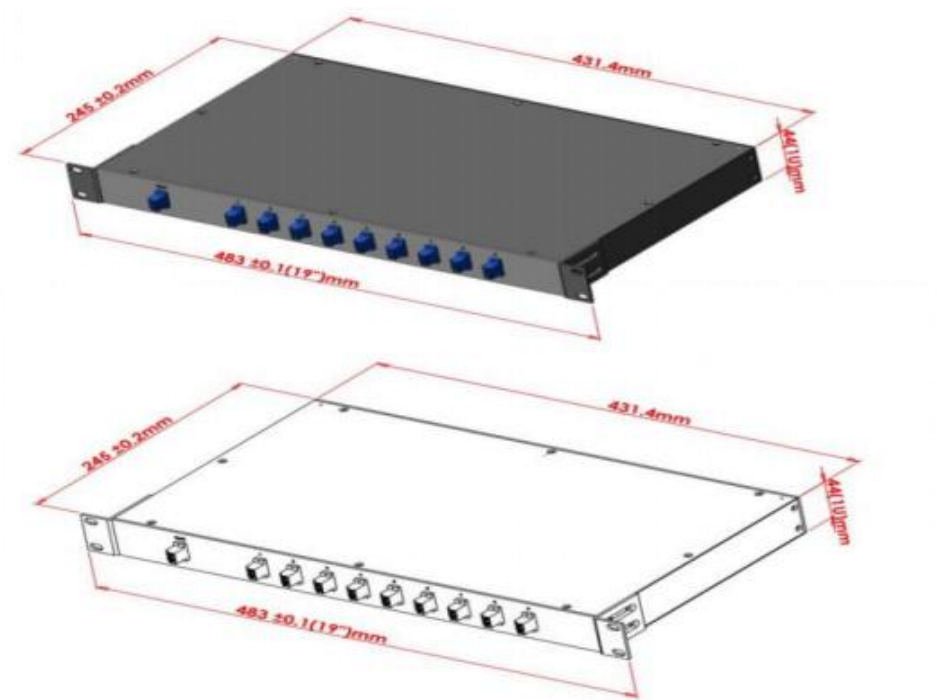
ABS Box



LGX Cassette

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Rack Mount

Ordering Information

Part Number	Description
GFDWA2	ABS Box DWDM, 2CH
GFDWA4	ABS Box DWDM, 4CH
GFDWA8	ABS Box DWDM, 8CH
GFDWA16	ABS Box DWDM, 16CH
GFDWL2	LGX Cassette DWDM, 2CH
GFDWL4	LGX Cassette DWDM, 4CH
GFDWL8	LGX Cassette DWDM, 8CH
GFDWL16	LGX Cassette DWDM, 16CH

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Part Number	Description
GFDWR2	Rack Mount DWDM, 2CH
GFDWR4	Rack Mount DWDM, 4CH
GFDWR8	Rack Mount DWDM, 8CH
GFDWR16	Rack Mount DWDM, 16CH

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

Mux Type		Mux, DeMux, Mux & DeMux
Channel Spacing		100GHz, 200GHz
DWDM Channel Ports		CH15 to CH64
Additional Ports		None, 1310nm Port, Upgrade Port, Monitoring Port
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	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC
LGX Cassette & Rack Mount	Adapter Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC
LGX Cassette	Cassette Type	Standard, 2 in 1, 4 in 1
Rack Mount	Rack Type	483×245×44