

## FIBERSTAMP TFF DWDM Mux DeMux CH15 to CH64, 2-16CH

### FTFF-DMUX2-16CH

#### Features

- 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

#### Description

The FIBERSTAMP 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.

#### Specifications

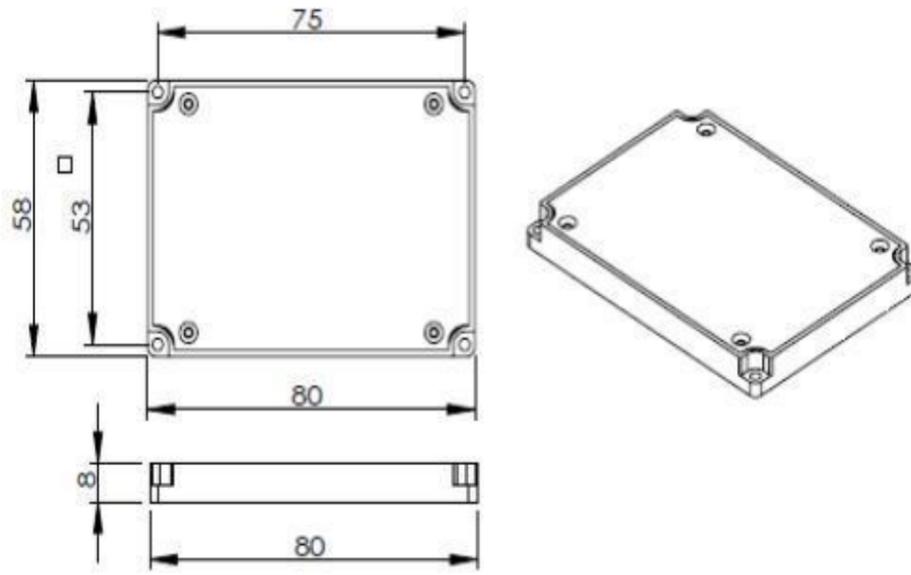
Parameters	Channel Options			
	2CH	4CH	8CH	16CH
Port Configuration	2CH	4CH	8CH	16CH
Center Wavelength (nm)	ITU Grid			
Operating Wavelength (nm)	1520 to 1620			
Channel Space (nm)	0.8 or 1.6			
Passband @0.5dB (nm)	0.22			
Channels IL (dB)	< 1.5	< 1.8	< 2.6	< 4.2
Link IL (Mux+Demux) (dB)	< 2.7	< 3.0	< 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			



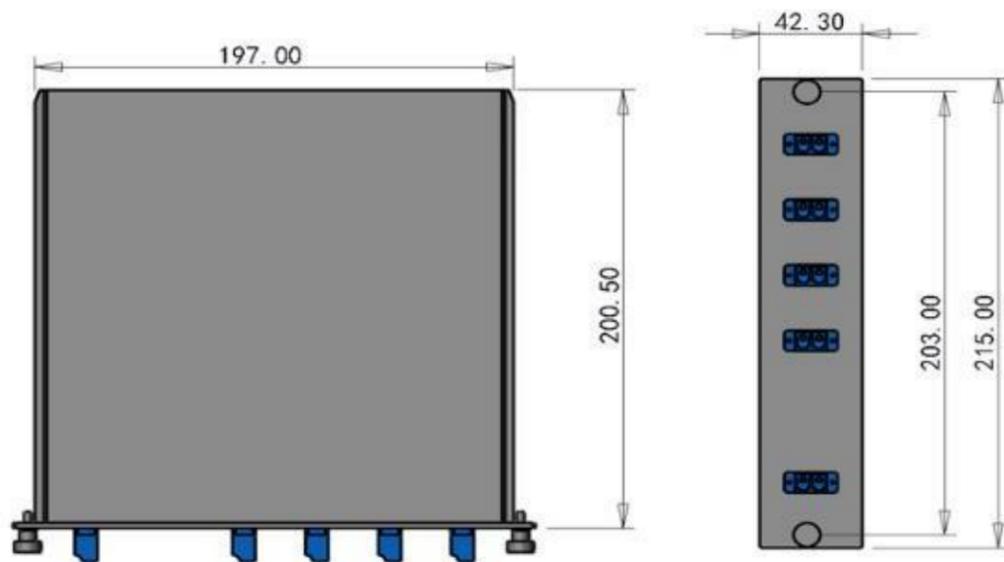
PDL (dB)	< 0.2	
PMD (ps)	< 0.1	
Maximum Optical Power (mw)	300	
Operating Temperature (°C)	-5 to +75	
Storage Temperature (°C)	-40 to +85	
Package (mm) (L×W×H)	ABS Box	80×58×8, 100×80×10, 120×80×18, 140×115×18
	LGX Cassette	Standard, 2 in 1, 4 in 1
	Rack Mount	483×245×44

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

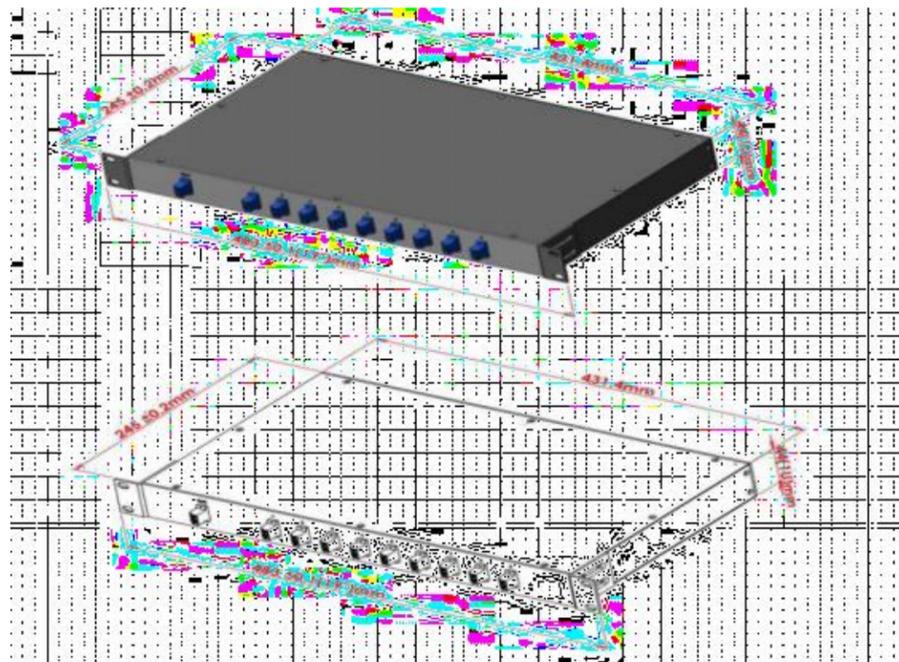
**Mechanical Dimensions**



ABS Box



LGX Cassette



Rack Mount

**Ordering Information**

Part Number	Description
FSDWA2	ABS Box DWDM, 2CH
FSDWA4	ABS Box DWDM, 4CH
FSDWA8	ABS Box DWDM, 8CH
FSDWA16	ABS Box DWDM,16CH
FSDWL2	LGX Cassette DWDM, 2CH
FSDWL4	LGX Cassette DWDM, 4CH
FSDWL8	LGX Cassette DWDM, 8CH
FSDWL16	LGX Cassette DWDM, 16CH
FSDWR2	Rack Mount DWDM, 2CH
FSDWR4	Rack Mount DWDM, 4CH
FSDWR8	Rack Mount DWDM, 8CH
FSDWR16	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	
	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...



ABS Box	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 in1
Rack Mount	Rack Type	483×245×44

### Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by FIBERSTAMP before they become applicable to any particular order or contract. In accordance with the FIBERSTAMP policy of continuous improvement specifications may change without notice. The publication of information in this data sheet does not imply freedom from patent or other protective rights of FIBERSTAMP or others. Further details are available from any FIBERSTAMP sales representative.

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