

**FIBERSTAMP 2-9CH CCWDM 1270nm to 1610nm
FCWDM-2X9CH**

Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Super 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.694.2 compliant
- RoHS compliant



Applications

- Data Center Interconnect Network
- Metro Optical Transport Network
- Telecommunications Network

Description

The FIBERSTAMP 2-9CH CCWDM is designed for multi-wavelength CWDM network applications. It is based on TFF technology and free-space technology platform. It operates at 2-9 channels 20nm channel spacing ITU Grid CWDM wavelengths from 1270nm to 1610nm. The Mux Type, Port Configuration (2-9CH Ports, 1310nm Port, Upgrade Port), Fiber Type, Fiber Length, and Connector Type can be customized.

Specifications

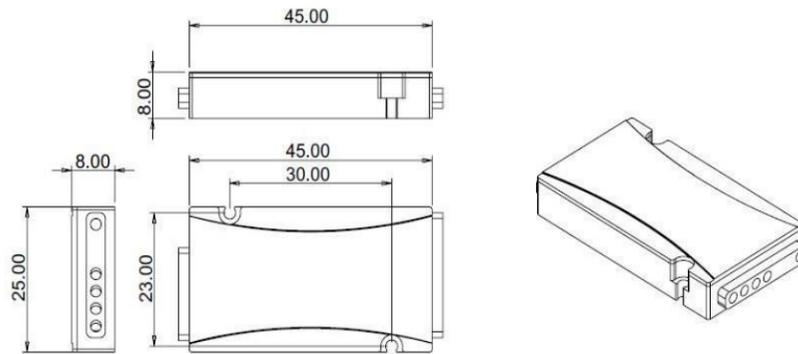
Parameters	CCWDM	
	4CH	8CH
Port Configuration	4CH	8CH
Center Wavelength (nm)	1270 to 1610	
Operating Wavelength (nm)	1260 to 1620	
Channel Space (nm)	20	
Channel Passband @0.5dB (nm)	ITU±6.5	
Channels Insertion Loss (dB)[2]	< 1.2	< 1.5
Adjacent Channels Isolation (dB)	> 30	
Non-Adjacent Isolation (dB)	> 40	
Directivity (dB)	> 50	
Return Loss (dB)	> 45	



Ripple (dB)	< 0.4
Polarization Dependent Loss (dB)	< 0.2
Polarization Mode Dispersion (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)	45×25×8

Notes: All specifications are based on the devices with connectors, and guaranteed over wavelength and temperature.
Fiber type is G657A1.

Mechanical Dimensions



Ordering Information

Part Number	Description
FSCC2	2CH CCWDM
FSCC3	3CH CCWDM
FSCC4	4CH CCWDM
FSCC5	5CH CCWDM
FSCC6	6CH CCWDM
FSCC7	7CH CCWDM
FSCC8	8CH CCWDM
FSCC9	9CH CCWDM

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

Mux Type	Mux, DeMux
CWDM Channel Ports	1270nm to 1610nm (20nm Spacing)
Additional Ports	None, 1310nm Port, Upgrade Port
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



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.

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