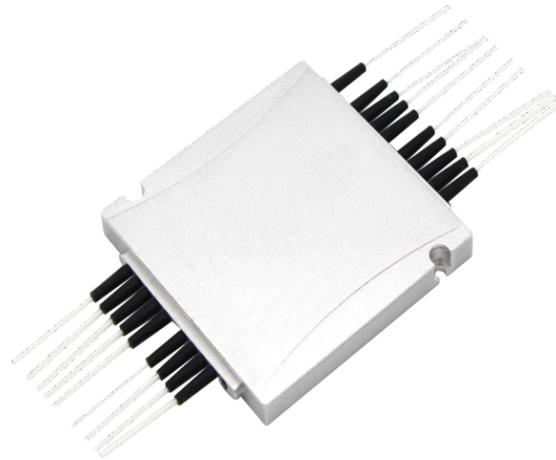


**FIBERSTAMP 10-18CH CCWDM 1270nm to 1610nm  
FCWDM-10-18CH**

**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 10-18CH CCWDM is designed for multi-wavelength CWDM network applications. It is based on TFF technology and free-space technology platform. It operates at 10-18 channels 20nm channel spacing ITU Grid CWDM wavelengths from 1270nm to 1610nm. The Mux Type, Port Configuration (10-18CH Ports, 1310nm Port, Upgrade Port), Fiber Type, Fiber Length, and Connector Type can be customized.

**Specifications**

Parameters	CCWDM	
	12CH	18CH
Port Configuration	12CH	18CH
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]	< 2.0	< 2.5
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	

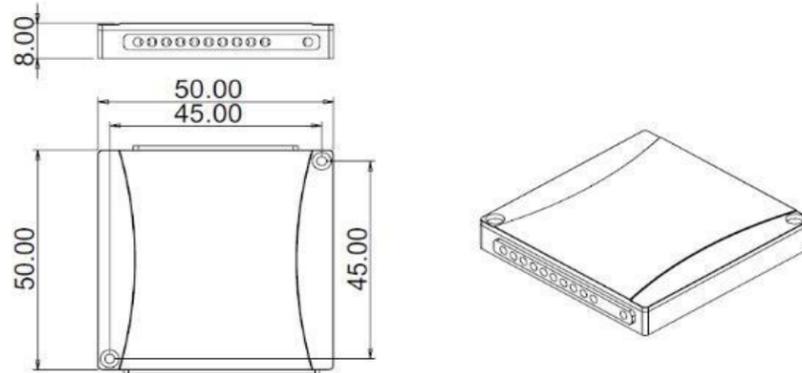


Polarization Mode Dispersion (ps)	< 0.1
Maximum Optical Power (mw)	300
Operating Temperature (°C)	-5 to +75
Storage Temperature (°C)	-40 to +85
Package (mm) (L×W×H)	50×50×8

**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
GFCC10	10CH CCWDM
GFCC11	11CH CCWDM
GFCC12	12CH CCWDM
GFCC13	13CH CCWDM
GFCC14	14CH CCWDM
GFCC15	15CH CCWDM
GFCC16	16CH CCWDM
GFCC17	17CH CCWDM
GFCC18	18CH 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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