

4-CHANNEL MUX/DEMUX

ODU-L29



Overview

In fiber-optic communications, WDM (wavelength-division multiplexing) is a technology which multiplexes a number of optical carrier signals onto a single optical fiber by using different wavelengths (i.e., colors) of laser light.

This technique enables bidirectional communications over one strand of fiber as well as multiplication of capacity. Generally, WDM technology is applied to an optical carrier which is typically described by its wavelength.

Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

Applications

- Channel Add/Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical Amplifier
- CATV fiberoptic System

Mechanical Specification

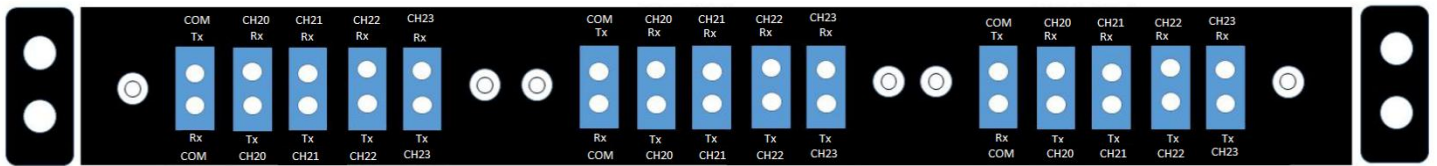
Parameter	4 Channel	
	MUX	DEMUX
Channel Wavelength(nm)	C20 - C23	
Center wavelength Accuracy(nm)	±0.1	
Channel Spacing (GHz)	100	
Channel Passband (@-0.5dB bandwidth) (nm)	>0.25	
Insertion Loss(dB)	≤2.0	
Isolation(dB)	Adjacent	>30
	Non-adjacent	>40
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005	
Wavelength Temperature Shifting (nm/°C)	<0.002	
Polarization Dependent Loss(dB)	<0.2	
Polarization Mode Dispersion(PS)	<0.1	
Directivity(dB)	>50	
Return Loss(dB)	>45	
Maximum Power Handling(mW)	300	
Operating Temperature(°C)	-25 ~ +70	
Storage Temperature(°C)	-40 ~ +85	
LGX Chassis Dimensions(L*W*H) (mm)	L482.6 x W200 x H44	
LGX Cassette Dimensions(L*W*H) (mm)	L129 x W102 x H28	

*Above specification are for device without connector.

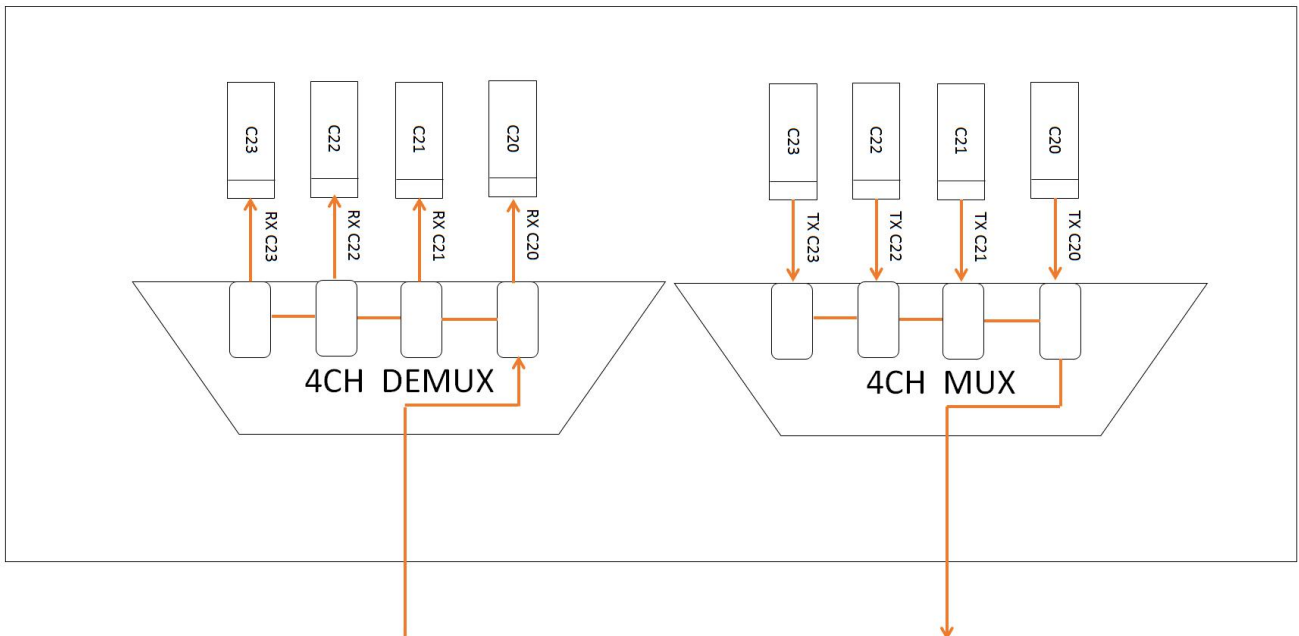


Case	
Parameters	Values
Packaging Dimension	19 inch, 1U
Fiber Type	G657A1
Adapter Type	LC/UPC Duplex

DWDM 1U Panel ODU-L29 Configuration and labeling

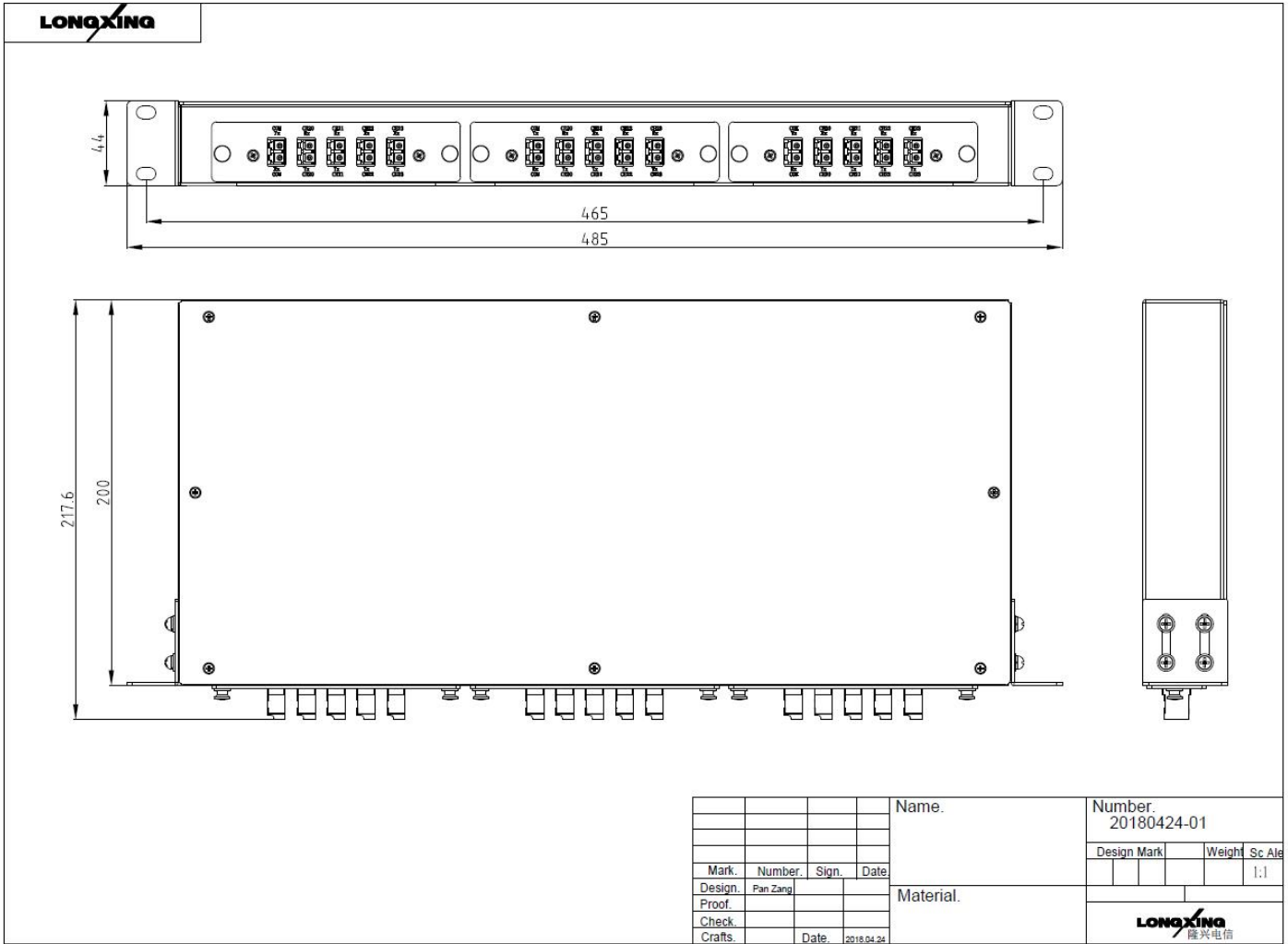


MUX/DEMUX Drawing



Technical Drawing

- One LGX chassis can contain 3 LGX 4-CH MUX/DMUX Cassettes



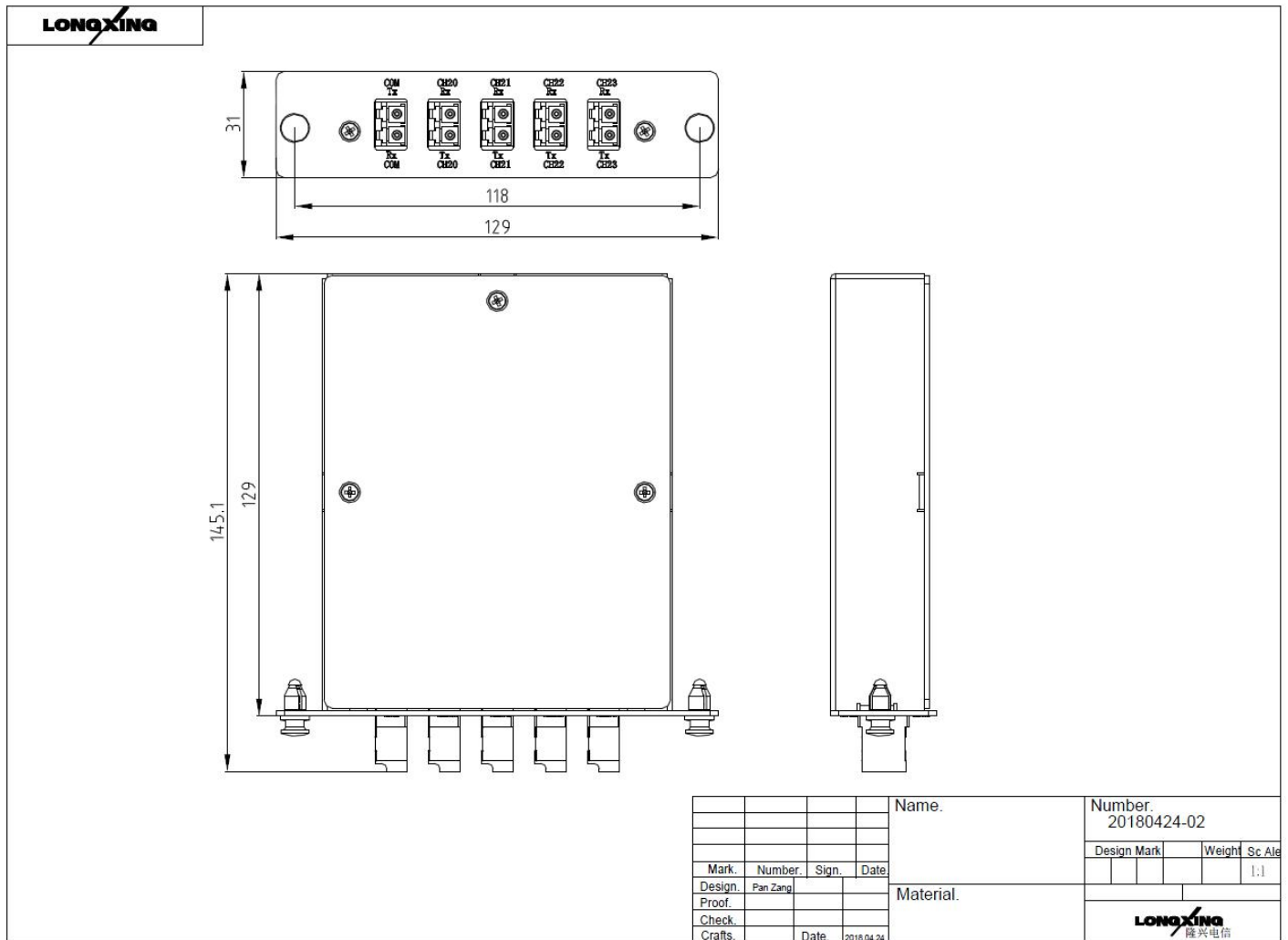
Note:

Unused holes will be blocked.



Technical Drawing

- LGX 4-CH MUX/DMUX Cassette



Standard 1U Patch Panel Packaging



More Details



More Details

