DWDM 1U Panel

ODU-L28-P1

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

Mechanical Specification

Parameter		16 Channel DWDM MUX+DEMUX
Channel Wavelength(nm)		100G DWDM(1529.55nm-1561.42nm)
Clear Channel Passband(nm)		±0.1
Channel Spacing (GHz)		100
Channel Passband (@-0.5dB bandwidth) (nm)		>0.3
Insertion Loss(dB) MUX & DEMUX		≤5.5, (with Connectors)
Channel Ripple(dB)		<0.5
Isolation(dB)	Adjacent	>25
	Non-adjacent	>30
Insertion Loss Temperature Sensitivity (dB/℃)		<0.005
Wavelength Temperature Shifting (nm/℃)		<0.002
Polarization Dependent Loss(dB)		<0.5
Polarization Mode Dispersion(PS)		<0.5
Directivity(dB)		>50
Return Loss(dB)		>40, (with Connectors)
Maximum Power Handling(mW)		300
Operating Temperature(℃)		-25 ~ +70
Storage Temperature(℃)		-40 ~ +85
Package Dimensions(L*W*H) (mm)		485*250*44
Color of the box and front plate		White

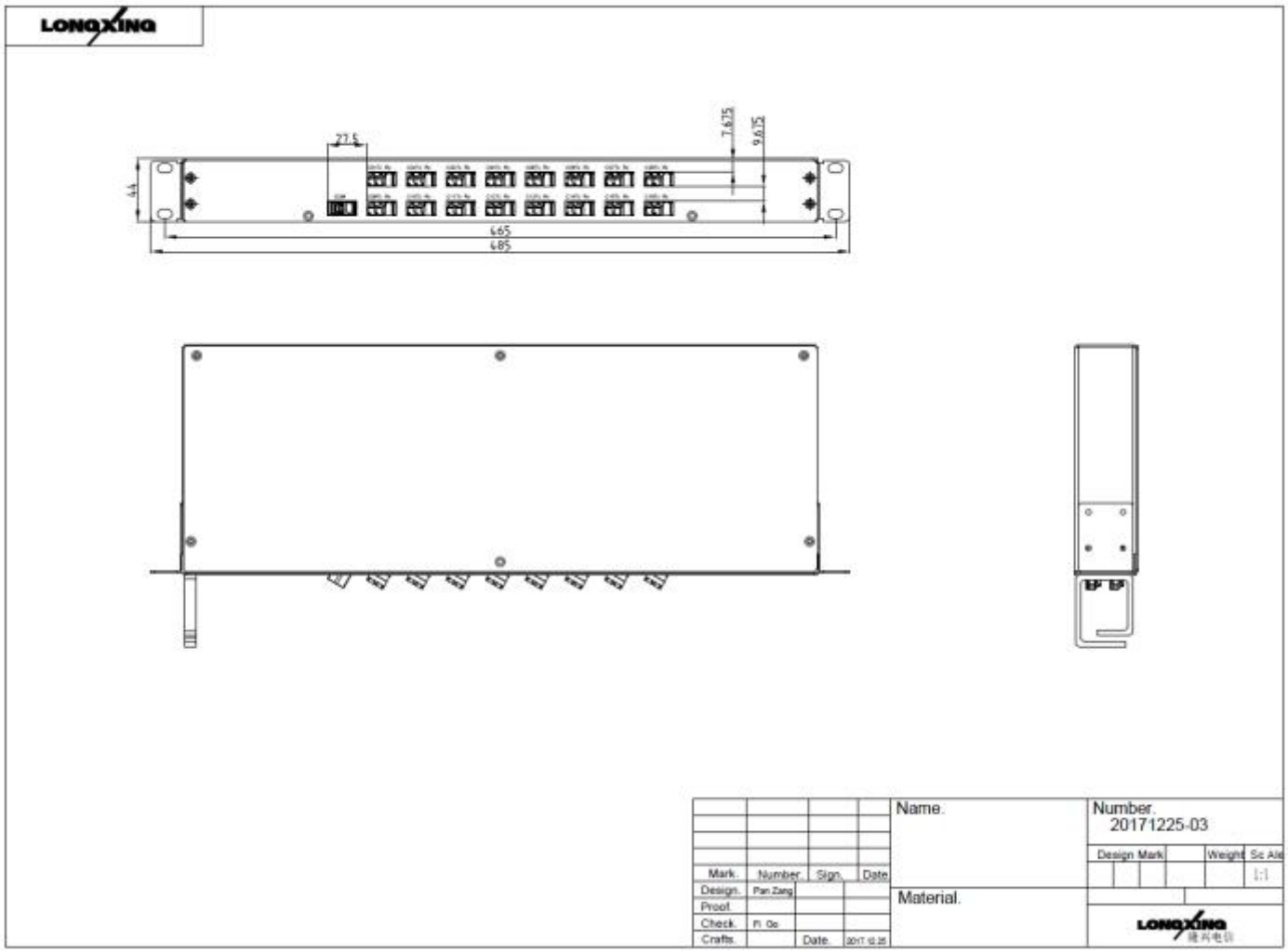
***Above specification are for device without connector.**

Longxing Telecom
LongXing Telecom
LongXingTelecom
Anju Road, Beilun District, Ningbo, China
info@lxtelecom.com
www.lxtelecom.com
+86 574 87908988
+86 574 87908188
Ver: 300318

Case		
Parameters	**Values**	
Packaging Dimension	19 inch, 1U	
Fiber Type	G657A1	
Adapter Type	COM Ports: LC/UPC	100G Ports: LC/UPC

Technical Drawing

- 1HU panel contains only 1 SFB module.



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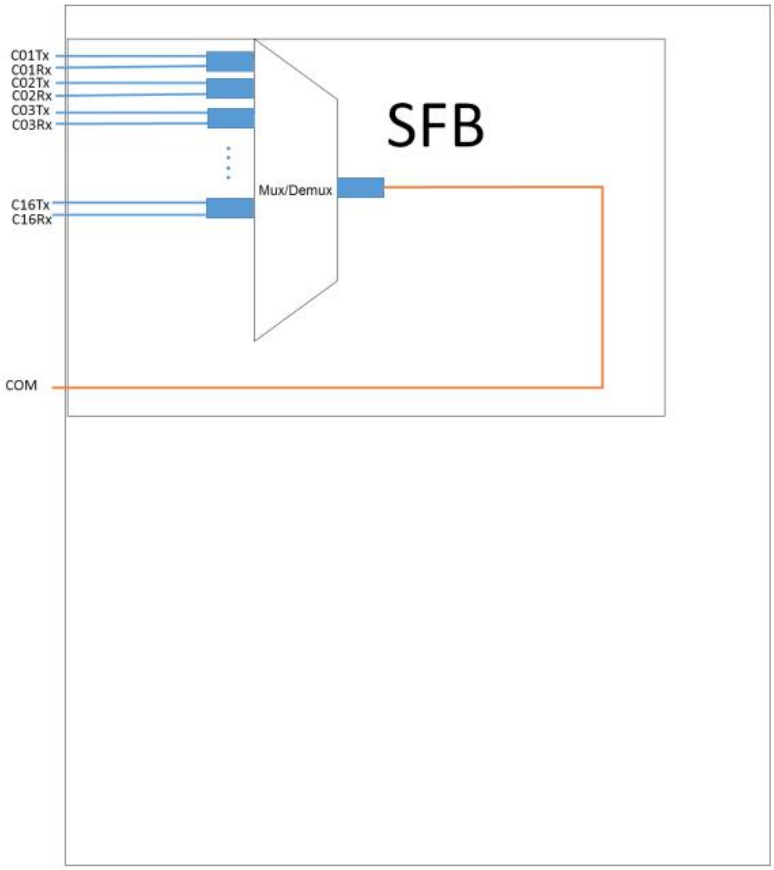

Standard 1U Patch Panel Packaging

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More Details

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