



# Rack Type PLC Splitter

rack type PLC Splitter consists of the PLC splitters and the enclosure body

## Description

rack type PLC Splitter consists of the PLC splitters and the enclosure body, it is with standard size and for easy installation, there are many adaptor interfaces optional such as SC, LC and FC. The rack type PLC splitters suit for the indoor or outdoor applications in FTTx projects, CATV or data communication centers.



## Feature

- Low Insertion Loss, Low PDL
- 19" standard installation, It is compatible for ETSI installation type
- Module design, slideway tray structure, easy to install
- Easy to maintain, high reliability
- Compatible for 1x2 ~ 2x64 PLC splitter

Rack Type PLC Splitter

## Application

- CATV system
- Optical fiber sensor
- Lan network system
- FTTH

## Specification:

Parameters	1x2	2x2	1x4	2x4	1x8	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Operating wavelength(nm)	1260~1650											
Fiber type	G652D/G657A1/G657A2											
Insertion Loss(dB)	4	4.2	7.2	7.4	10.5	10.8	13.7	14	17	17.5	20.6	21
Uniformity(dB)	0.4	1	0.6	1.5	0.8	1.5	1.2	2	1.5	2	2	2.5
Return Loss(dB)	55		55		55		55		55		55	
PDL(dB)	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.35	0.5
Directivity (dB)	55		55		55		55		55		55	
Temperature Stability(-40~85 °C)(dB)	0.5		0.5		0.5		0.5		0.5		0.5	
Operating temperature (°C)	-40~85											
Storage temperature (°C)	-40~85											

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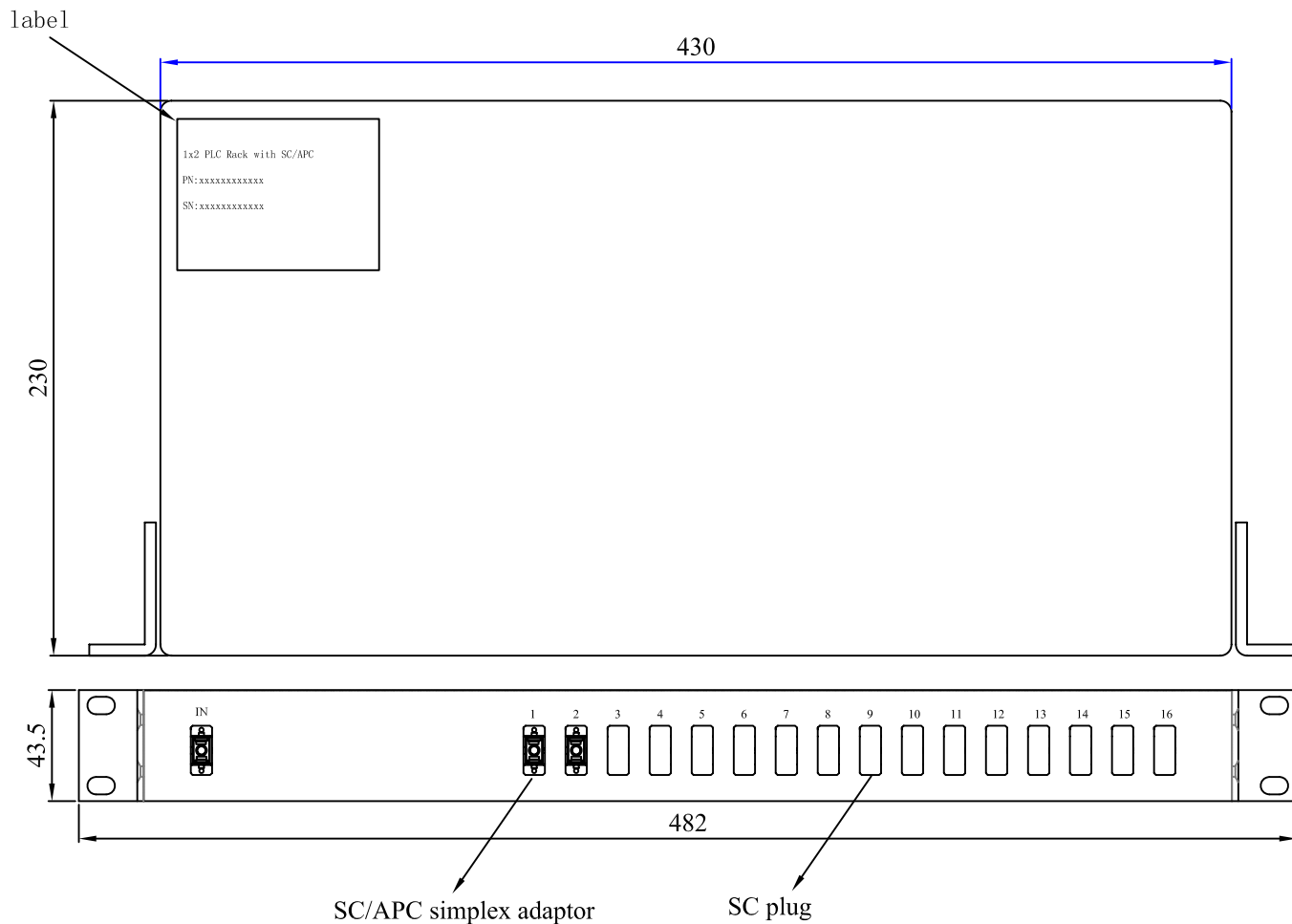
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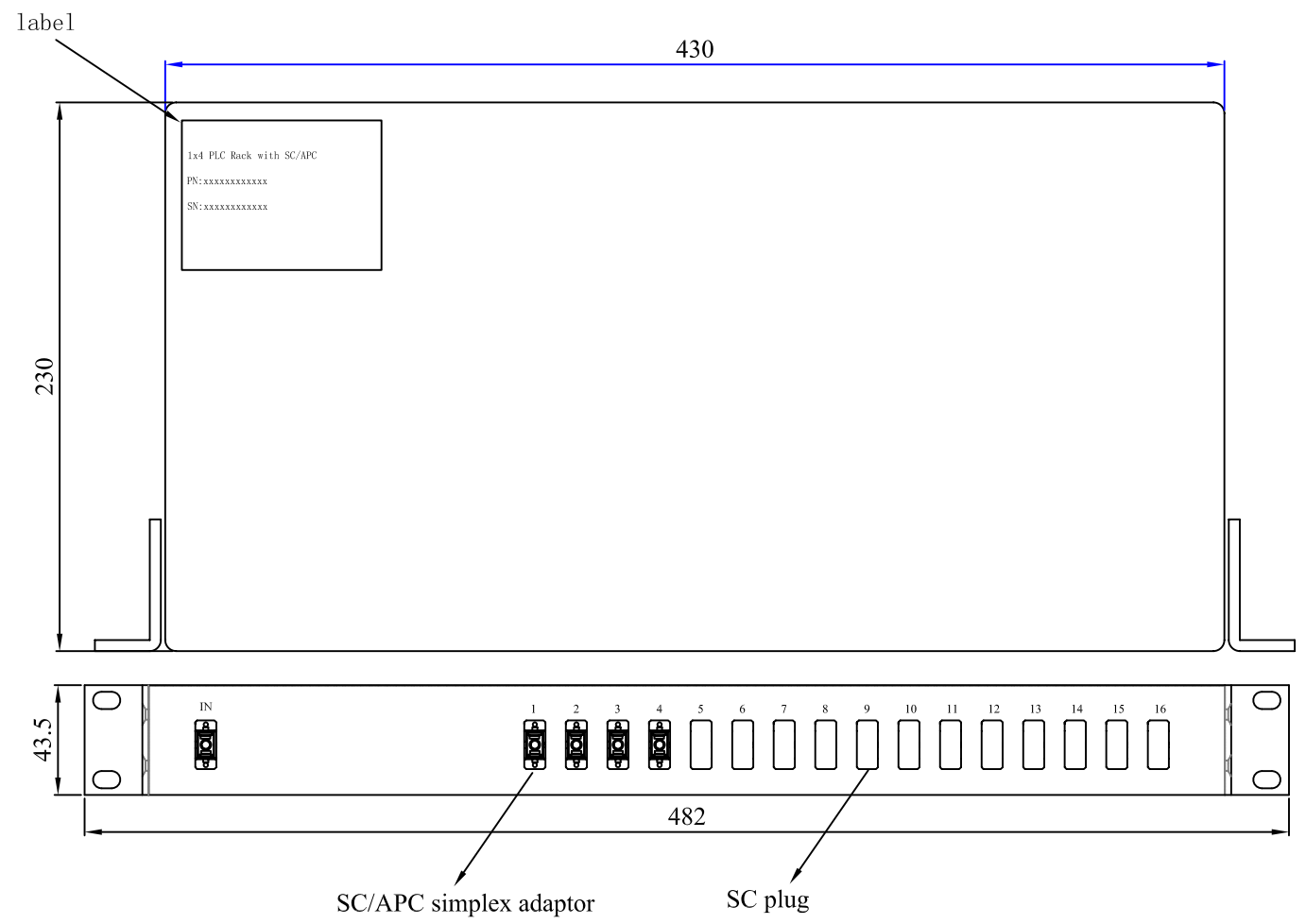
**Technical requirement:**

Type 1xN		1x2
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	4.4(with adaptors)
PDL (dB)	Max	0.2
Uniformity (dB)	Max	0.4
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

<b>Title</b>	PLC Splitter 1x2 Rack $\phi$ 2.0 LSZH input and output 1m size 19"1U		
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams		
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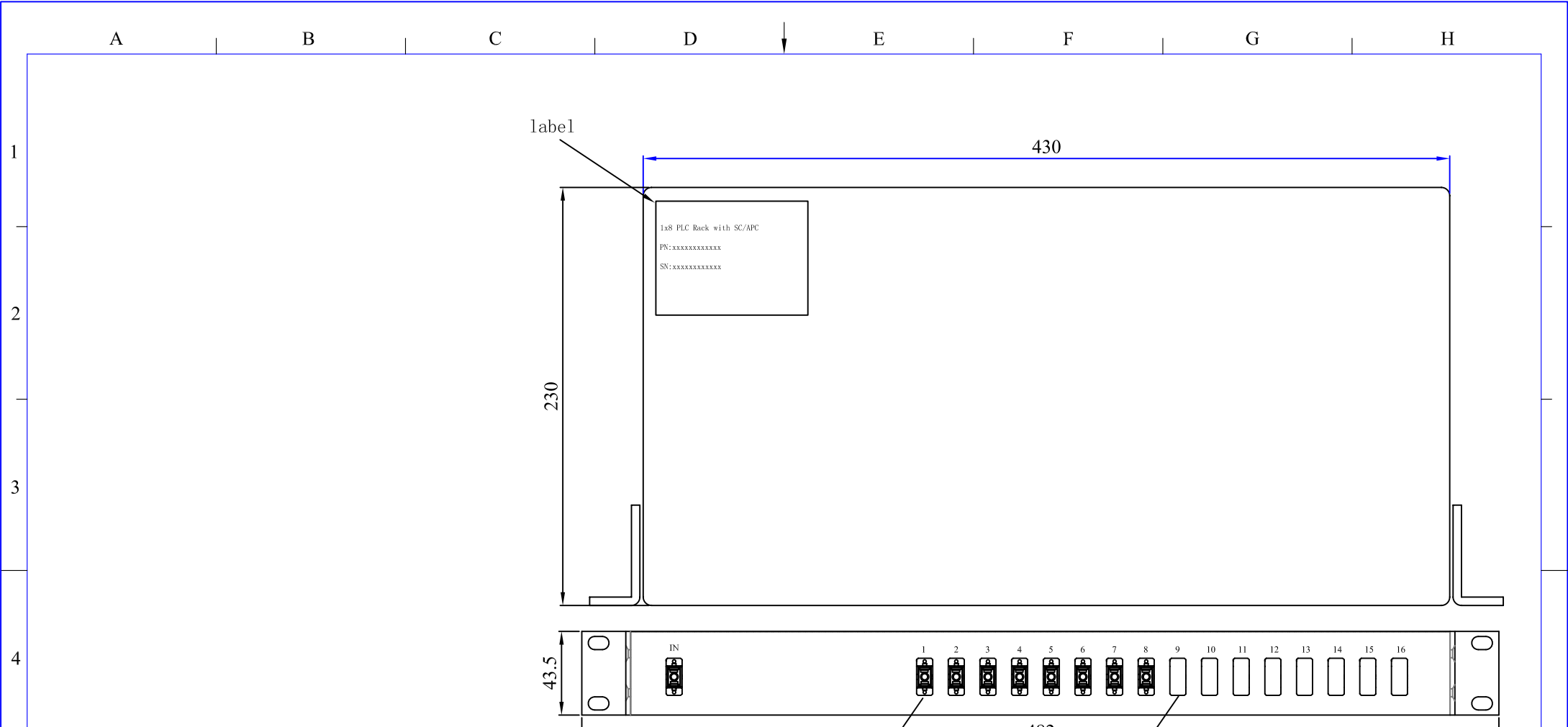
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**Technical requirement:**

Type 1xN		1x4
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	7.6(with adaptors)
PDL (dB)	Max	0.2
Uniformity (dB)	Max	0.6
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

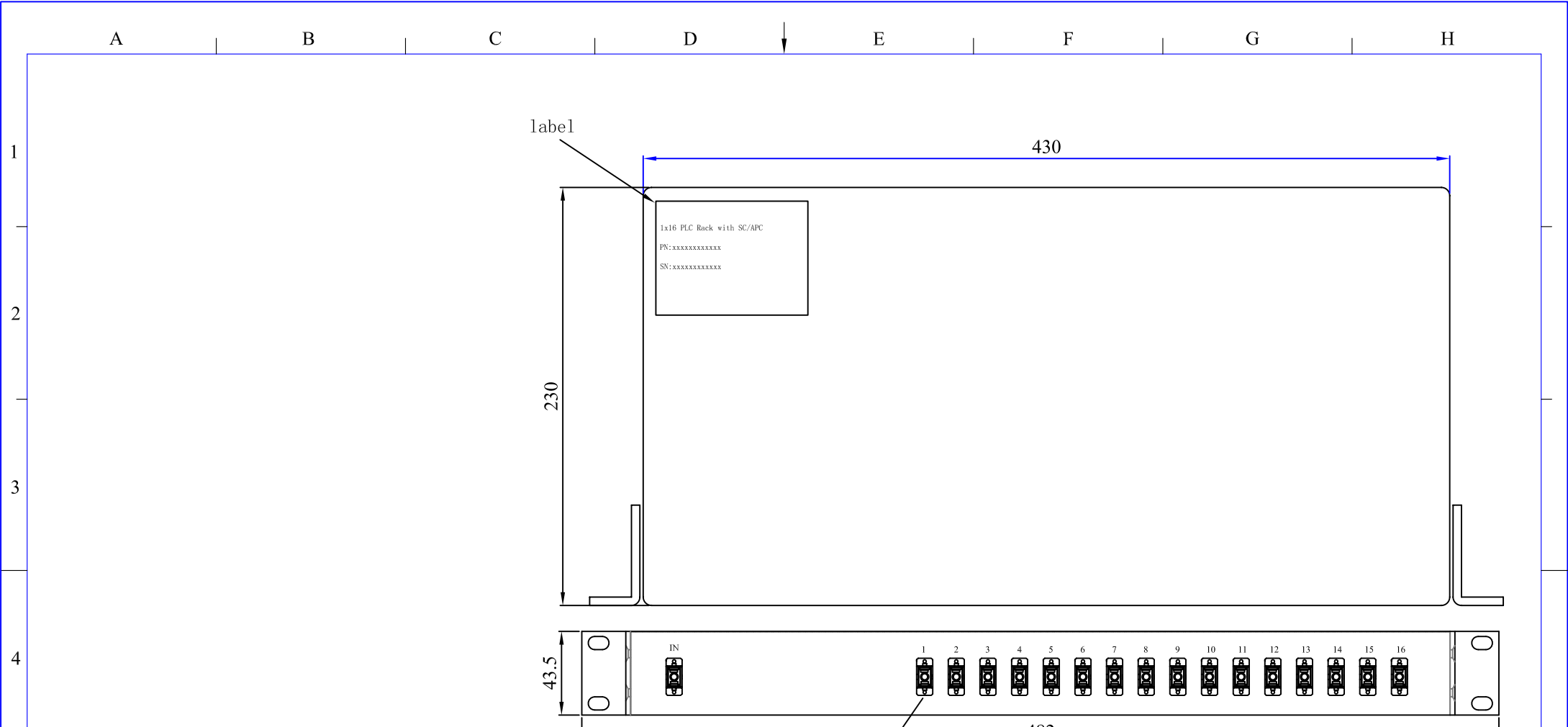
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Drawing	Steven	Item No	
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**Technical requirement:**



Type 1xN		1x8
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	10.9(with adaptors)
PDL (dB)	Max	0.2
Uniformity (dB)	Max	0.8
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

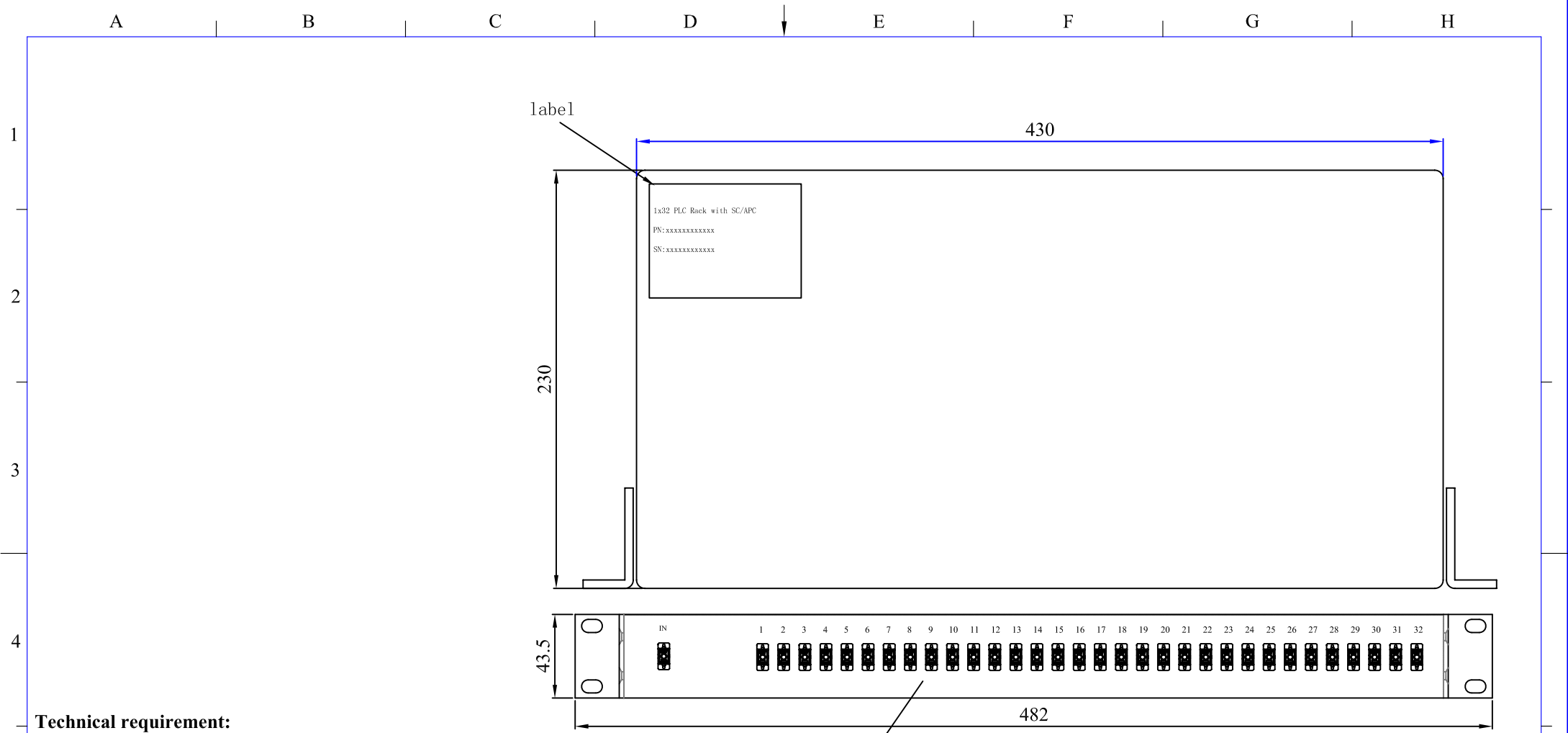
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**Technical requirement:**

Type 1xN		1x16
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	14.1(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	1.2
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

<b>Title</b>	PLC Splitter 1x16 Rack $\phi$ 2.0 LSZH input and output 1m size 19"1U		
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**Technical requirement:**

Type 1xN	1x32	
Operating wavelength range (nm)	1260~1650	
Test wavelength (nm)	1310/1550	
Insertion loss (dB)	Max	17.4(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	1.5
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)	-40~+85	
Storage temperature (°C)		
Dimension (mm)	19"1U	
Fiber type	G652D/G657A1/G657A2	
Connector and adaptor type	SC/LC/FC	

<b>Title</b>	PLC Splitter 1x32 Rack $\phi$ 2.0 LSZH input and output 1m size 19"1U		
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Date	2018	Page: 1-1	

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label

1x64 PLC Rack with LC/APC  
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 SN:xxxxxxxxxx

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

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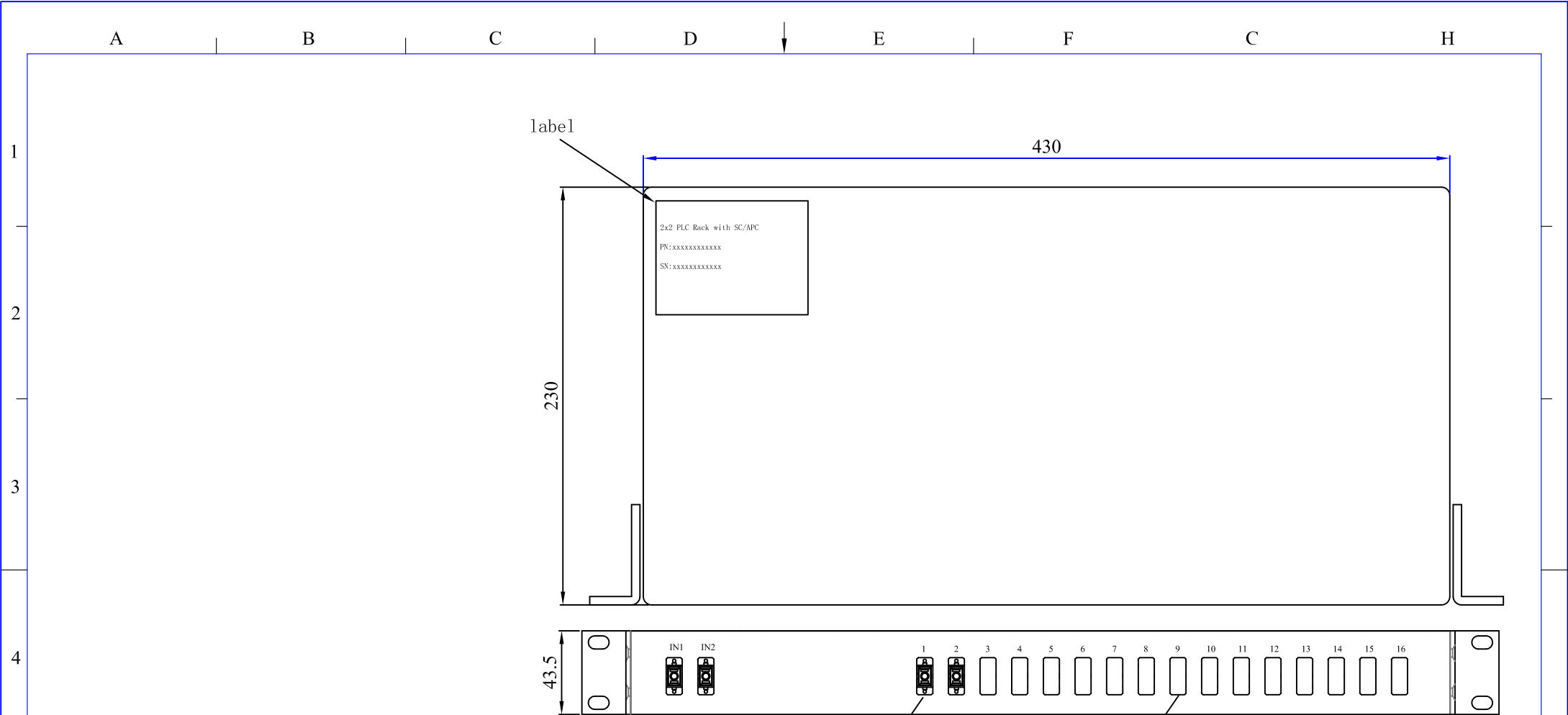
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LC/APC duplex adaptor

**Technical requirement:**



Type 1xN	1x64	
Operating wavelength range (nm)	1260~1650	
Test wavelength (nm)	1310/1550	
Insertion loss (dB)	Max	21 (with connectors)
PDL (dB)	Max	0.35
Uniformity (dB)	Max	2.0
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)	-40~+85	
Storage temperature (°C)		
Dimension (mm)	19"1U	
Fiber type	G652D/G657A1/G657A2	
Connector type	SC/LC/FC	

<b>Title</b>	PLC Splitter 1x64 $\phi$ 2.0 LSZH input and output 1m size 19"1U rack		
<b>Drawing</b>	Steven	Item No	
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**Technical requirement:**

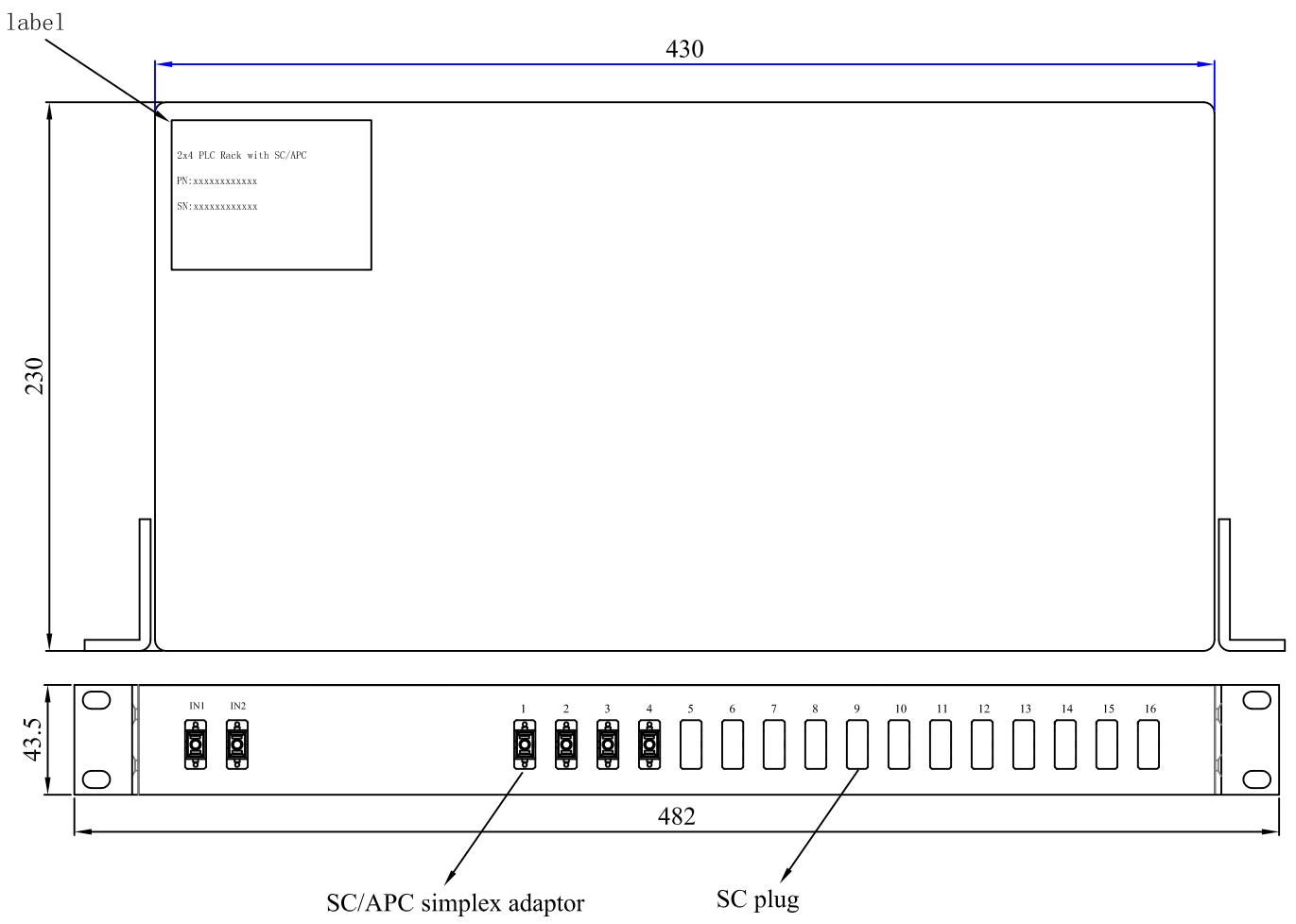
Type 2xN		2x2
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	4.8(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	1.0
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

<b>Title</b>	PLC Splitter 2x2 Rack $\phi$ 2.0 LSZH input and output 1m size 19"1U		
Drawing	Steven	Item No	
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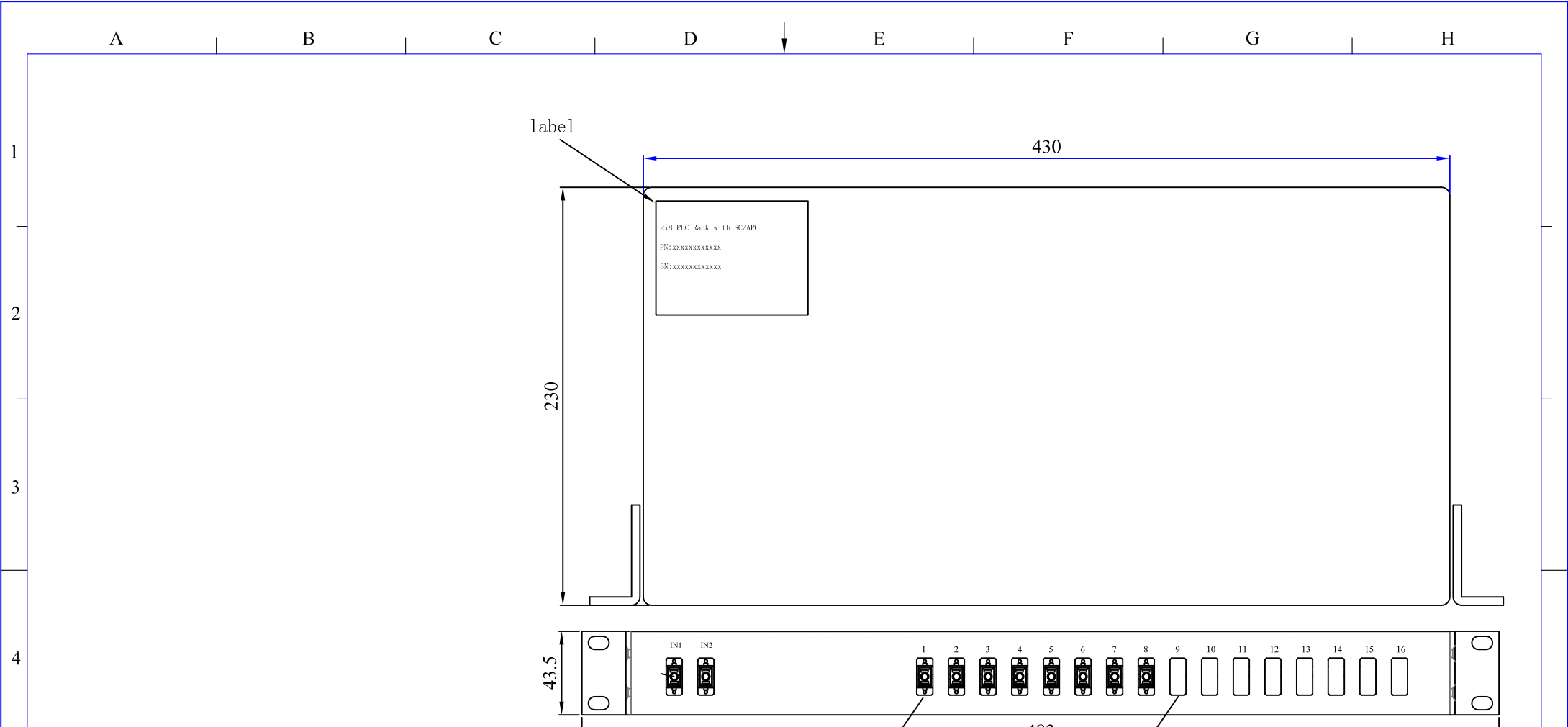
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**Technical requirement:**

Type 2xN		2x4
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	8.0(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	1.5
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

<b>Title</b>	PLC Splitter 2x4 Rack Ø2.0 LSZH input and output 1m size 19"1U		
<b>Drawing</b>	Steven	Item No	
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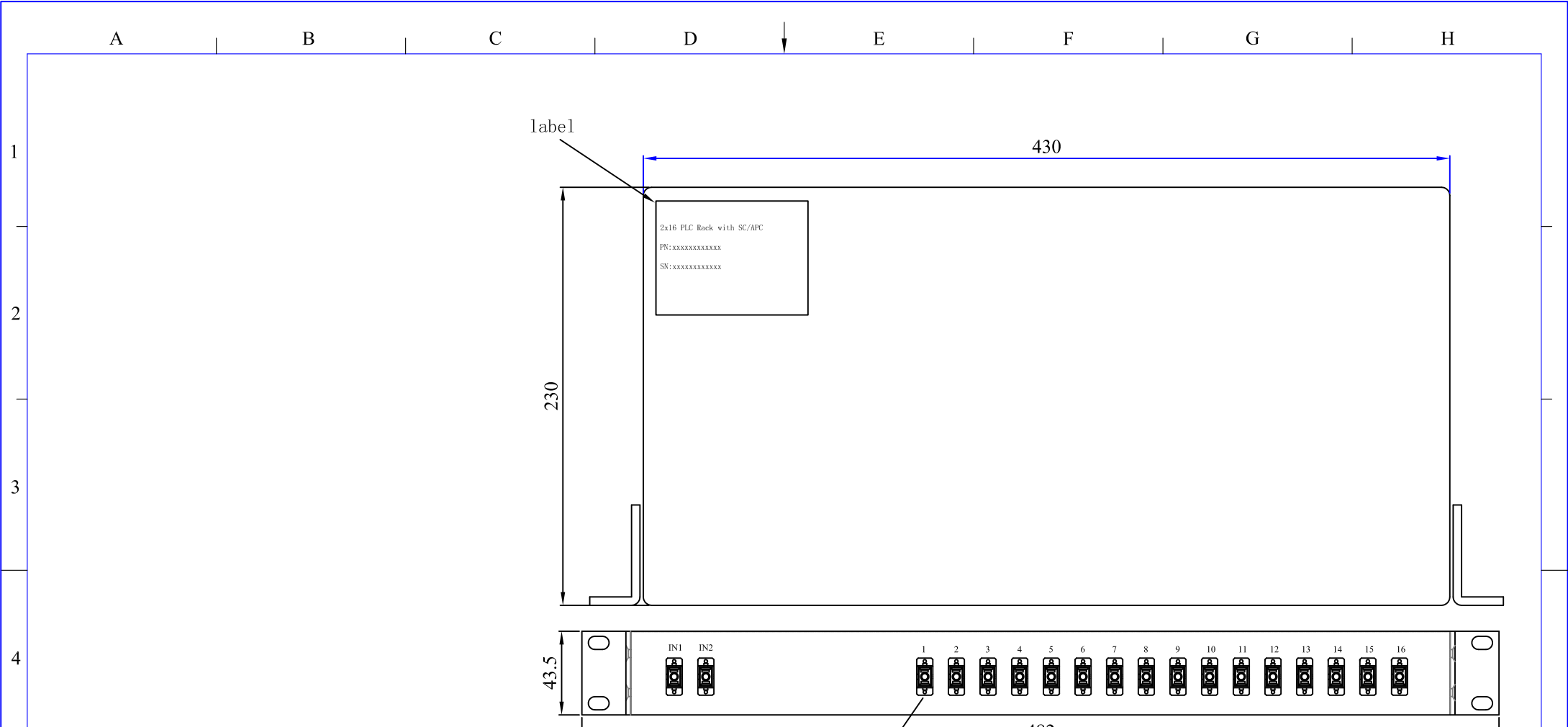
**Technical requirement:**

Type 1xN	2x8	
Operating wavelength range (nm)	1260~1650	
Test wavelength (nm)	1310/1550	
Insertion loss (dB)	Max	11.4(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	1.5
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)	-40~+85	
Storage temperature (°C)		
Dimension (mm)	19"1U	
Fiber type	G652D/G657A1/G657A2	
Connector and adaptor type	SC/LC/FC	

SC/APC simplex adaptor

SC plug

<b>Title</b>	PLC Splitter 2x8 Rack Ø2.0 LSZH input and output 1m size 19"1U		
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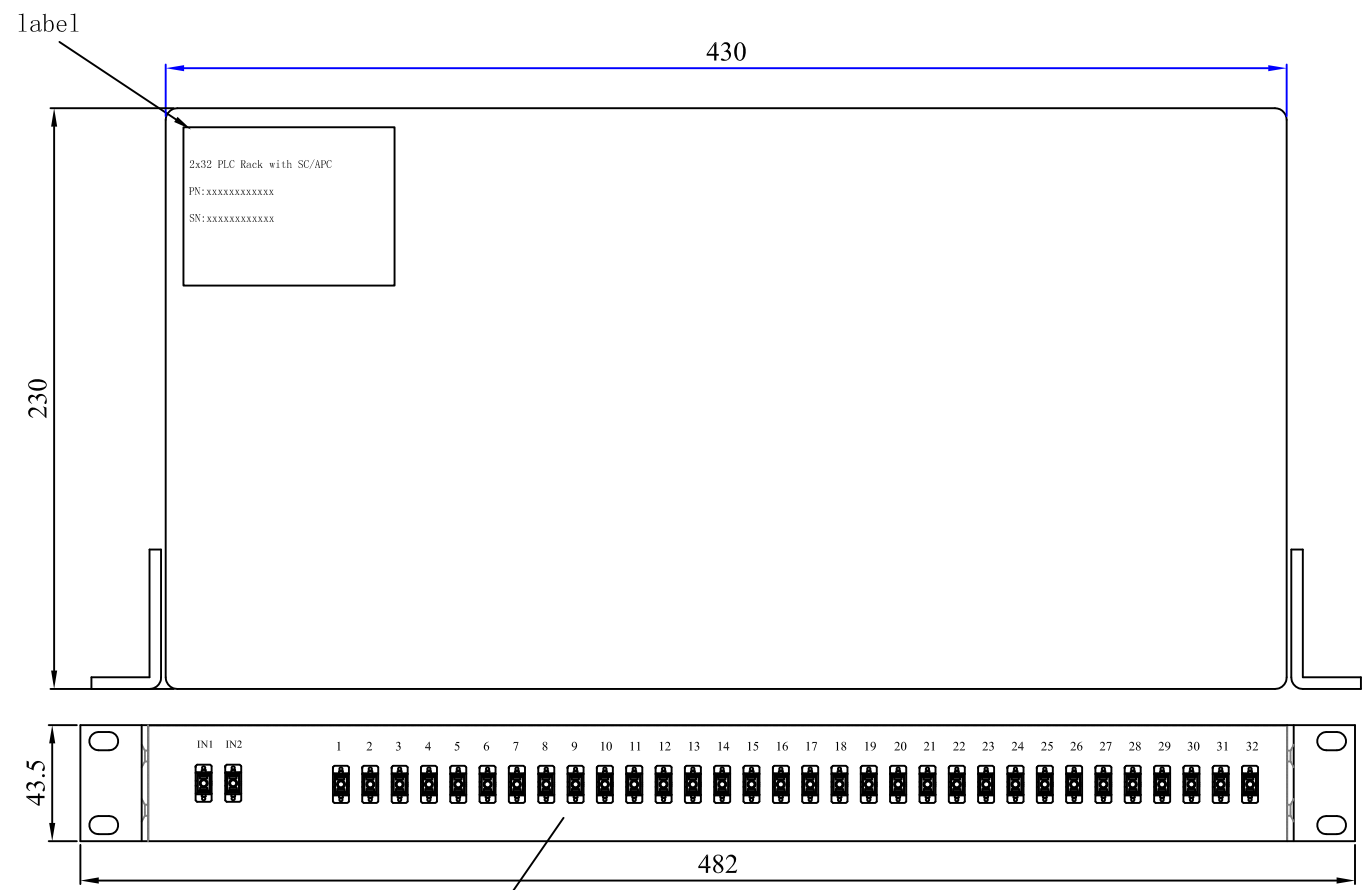
**Technical requirement:**

Type 2xN		2x16
Operating wavelength range (nm)		1260~1650
Test wavelength (nm)		1310/1550
Insertion loss (dB)	Max	14.6(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	2.0
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)		-40~+85
Storage temperature (°C)		
Dimension (mm)		19"1U
Fiber type		G652D/G657A1/G657A2
Connector and adaptor type		SC/LC/FC

<b>Title</b>	PLC Splitter 2x16 Rack $\phi$ 2.0 LSZH input and output 1m size 19"1U		
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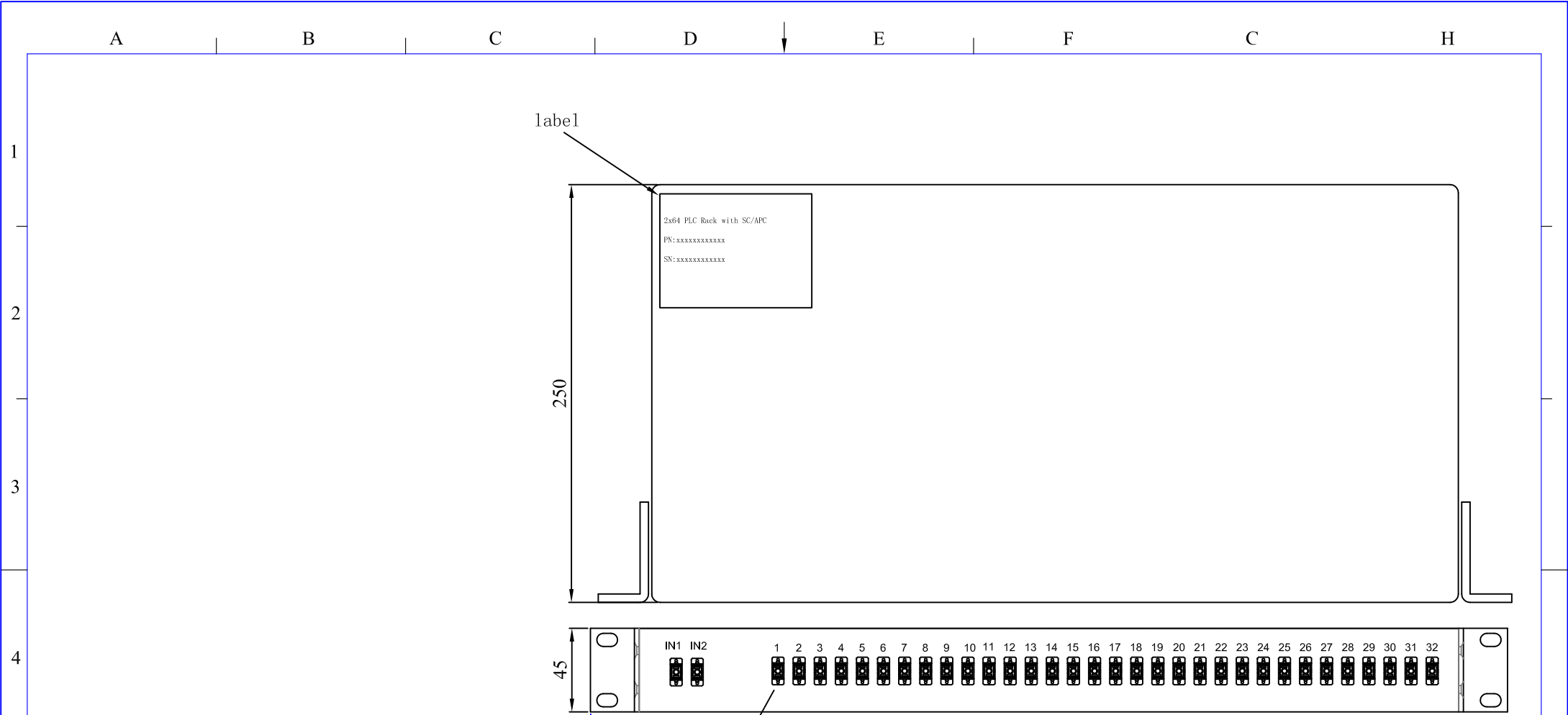
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**Technical requirement:**



Type 2xN	2x32	
Operating wavelength range (nm)	1260~1650	
Test wavelength (nm)	1310/1550	
Insertion loss (dB)	Max	18.1(with adaptors)
PDL (dB)	Max	0.3
Uniformity (dB)	Max	2.0
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)	-40~+85	
Storage temperature (°C)		
Dimension (mm)	19"1U	
Fiber type	G652D/G657A1/G657A2	
Connector and adaptor type	SC/LC/FC	

<b>Title</b>	PLC Splitter 2x32 Rack $\phi$ 2.0 LSZH input and output 1m size 19"1U		
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**Technical requirement:**

Type 2xN	2x64	
Operating wavelength range (nm)	1260~1650	
Test wavelength (nm)	1310/1550	
Insertion loss (dB)	Max	21.6 (with connectors)
PDL (dB)	Max	0.5
Uniformity (dB)	Max	2.5
Return loss (dB)	Min	55
Directivity (dB)	Min	55
Operating temperature (°C)	-40~+85	
Storage temperature (°C)		
Dimension (mm)	19"1U	
Fiber type	G652D/G657A1/G657A2	
Connector type	SC/LC/FC	

<b>Title</b>	PLC Splitter 2x64 $\phi$ 2.0 LSZH input and output 1m size 19"1U rack		
<b>Drawing</b>	Steven	<b>Item No</b>	
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<b>Date</b>	2018	<b>Page:</b> 1-1	