

Compact LGX Box PLC Splitter 1x4 For FTTH Passive Optical Network

Basic Information

Place of Origin: Shenzhen, China
Brand Name: FIBERMANIA
Certification: CE, RoHS
Model Number: PLX10430SA
Minimum Order Quantity: 10 Pieces
Price: Negotiable
Packaging Details: PE Bag+Carton

• Payment Terms: T/T, Western Union, L/C

• Supply Ability: 1000 Pieces



Product Specification

Name: LGX Box PLC Splitter

Package Style: LGX Box
 Connector Type: SC/APC
 Configuration Type: 1x 4

Fiber Mode: Single ModeWide Operating 1260~1650nm

Package Type: Cassette Type
Insertion Loss: ≤7.3dB
Return Loss: ≥55dB

Highlight: LGX Box PLC Splitter, PLC Splitter 1x4,

1x4 PLC Splitter



More Images

Wavelength:



Product Description

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PLC splitter box is an optical splitter device used for fiber optic networks, with the core component being a PLC (Planar Lightwave Circuit) splitter installed inside a protective box to achieve efficient splitting and management of optical signals. The PLC splitter box is widely used in FTTH, 5G, and data centers due to its low loss, high reliability, and modular design. When selecting, attention should be paid to the spectral ratio, protection level, and interface type, and the installation process should be strictly standardized to ensure performance.

Features of plc splitter box

- 1. Low insertion loss and high return loss
- 2. PDL automatic screening system(Ultra low PDL is available)
- 3. High reliability and stability
- 4. Connector can up to grade B
- 5. 100% 3D tested by Daisi and Sumix
- 6. High-low temperature cycle test
- 7. 100% test before delivery
- 8. FTTH Cabling solution could be design

Applications of plc splitter box

- 1. FTTx Deployments (GPON/BPON/EPON)
- 2. CCTV/CATV Links
- 3. Access/Metro Networks
- 4. Long Haul Telecommunications
- 5. Digital, hybrid and AM-Video systems

Specifications of plc splitter box

Mechanical Specification 1xN												
LGX Cassette Type PLC Splitter												
Туре		1x2	1x4	1x8	1x16	1x32	1x64					
LGX	Body Material	PP/ABS/PC										
	Input fiber type	900um loose Hytrel tube										
	Output fiber type	900um loose Hytrel tube										
Cassette	Input Length	0.5M(+50mm / -0mm)or Customized										
Type	Output Length	0.5M(+50mm / -0mm)or Customized										
	Connector (Input)	SC/APC										
	Connector (Output)	SC/APC										

Optical Specification 1xN												
1 x N PLC Splitter												
Ту	1x2	1x4	1x8	1x16	1x32	1x64						
Fiber Type			G.657A									
Operating Wavelength(mm)		1260 to 1650 nm										
Insertion Loss(dB)	Max(with connector)	4	7.2	10.5	13.8	16.8	20.5					
Uniformity Loss(dB)	Max	0.6	0.6	0.8	1.2	1.5	1.8					
Polariation Dependent Loss(dB)	Max	0.2	0.2	0.2	0.3	0.3	0.5					
Return Loss(dB)		UPC≥50 APC≥60										
Operating Temperature(°C)			:-40°C - +85°C									





FAQ

Q: If I leave an output port empty with no termination and I apply an input signal. Will there be reflections back to the input due to that output port with no termination?

A: There will be some back loss but basically does not affect the use.

Q: Hi We have 1:8 splitters with LGX "cassette" form, and looking for 2:4 splitter with the same form. Seems there are not such model listed, but is it available? if it can be provided with similar price, we'd like to have 4~6 modules. Thanks. A: For customized questions, please contact our sales online.

Q: Do you know what the limit in dBm is for the PLC I check the datasheet for this and it does not state the limit in dBm for the input and output ports of this splitter.

A: The PLC works without dBm, as it's a passive product. But, it's usually supported to use under 500mW.

Q: Does it have even coupling ratio?

A: Yes, it's PLC, which is even split ratio.

Q: I was wondering the power limit of PLC.

A: PLC is a passive product, generally no power involved. But, it's usually supported to use under 500mW.



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