

# LGX Cassette PLC Splitter

1:2, 1:4, 1:8, 1:16, 1:32, 1:64  
2:2, 2:4, 2:8, 2:16, 2:32, 2:64

## Description

The GrowsFiber LGX Cassette PLC Splitter is a type of optical power management device based on silica optical waveguide technology and is widely used in passive optical networks to realize optical signal power splitting with 1:N or 2:N splitting ratio. The Split Ratio (1:2, 1:4, 1:8, 1:16, 1:32, 1:64, 2:2, 2:4, 2:8, 2:16, 2:32, 2:64) and Adapter Type can be customized.

## Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Wide operating wavelength range
- Good channel-to-channel uniformity
- High reliability and high stability
- Telcordia GR-1209-CORE-2001 compliant
- Telcordia GR-1221-CORE-1999 compliant
- YD/T-1272Q compliant
- Q/CT-2295 compliant
- RoHS compliant



## Applications

- FTTH Networks
- PON System
- CATV Networks

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## Specifications (Tested with adapters; G657A1 fiber.)

Parameters	LGX Cassette PLC Splitter (1:N)					
Operating Wavelength (nm)	1260 to 1650					
Split Ratio	1:2	1:4	1:8	1:16	1:32	1:64
Max Insertion Loss (dB) (P/S Grade)	4.1/4.3	7.4/7.6	10.5/10.8	13.8/14.0	16.8/17.2	20.8/21.3
Max Loss Uniformity (dB)	0.6	0.7	0.8	1.2	1.5	2.0
Max PDL (dB)	0.2		0.25		0.35	
Min Return Loss (dB)	55					
Min Directivity (dB)	55					
Max Wavelength Dependent Loss (dB)	0.5		0.8		1.0	
Max Temperature Stability (dB)	0.5					
Operating Temperature (°C)	-5 to +75					
Storage Temperature (°C)	-40 to +85					
Device Dimension LxWxH (mm)	102x155x29		102x155x40		102x155x82	

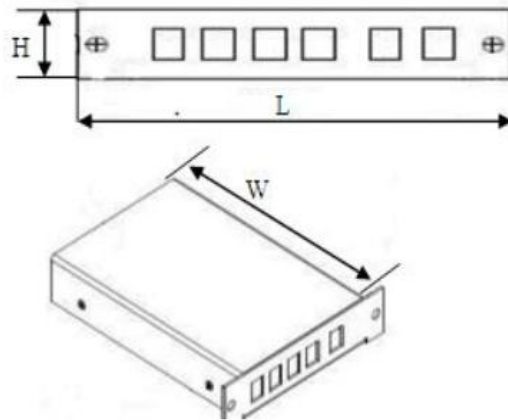
Parameters	LGX Cassette PLC Splitter (2:N)					
Operating Wavelength (nm)	1260 to 1650					
Split Ratio	2:2	2:4	2:8	2:16	2:32	2:64
Max Insertion Loss (dB)	4.5	7.9	11.3	14.7	17.8	21.3
Max Loss Uniformity (dB)	0.9	1.0	1.2	1.5	1.8	2.2
Max PDL (dB)	0.3		0.35		0.4	
Min Return Loss (dB)	55					
Min Directivity (dB)	55					
Max Wavelength Dependent Loss (dB)	0.5		0.8		1.0	
Max Temperature Stability (dB)	0.5					
Operating Temperature (°C)	-5 to +75					
Storage Temperature (°C)	-40 to +85					
Device Dimension LxWxH (mm)	102x155x29		102x155x40		102x155x82	

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## Mechanical Dimensions

Example:



## Ordering Information

Part Number	Description
GFPSL12	LGX Cassette PLC Splitter, 1:2
GFPSL14	LGX Cassette PLC Splitter, 1:4
GFPSL18	LGX Cassette PLC Splitter, 1:8
GFPSL116	LGX Cassette PLC Splitter, 1:16
GFPSL132	LGX Cassette PLC Splitter, 1:32
GFPSL164	LGX Cassette PLC Splitter, 1:64
GFPSL22	LGX Cassette PLC Splitter, 2:2
GFPSL24	LGX Cassette PLC Splitter, 2:4
GFPSL28	LGX Cassette PLC Splitter, 2:8
GFPSL216	LGX Cassette PLC Splitter, 2:16
GFPSL232	LGX Cassette PLC Splitter, 2:32
GFPSL264	LGX Cassette PLC Splitter, 2:64

**Note:** If there is a demand for orders that are different from those described above, please contact GrowsFiber. Customized options are shown as following:

Adapter Type	LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC
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