

## Planar Lightwave Circuit Splitter (PLC Splitter)

### Description

Planar lightwave circuit splitter (PLC Splitter) is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON(EPON/GPON) networks to realize optical signal power splitting.

We provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All PLC Splitter products meet GR-1209-CORE and GR-1221-CORE requirements.

### Features

1. Low insertion loss and low PDL
2. High channel counts
3. Exceptional reliability and stability
4. Wide operating wavelength

### Applications

1. FTTX Systems
2. LAN, WAN and metro networks
3. Analog/Digital passive optical networks
4. CATV networks
5. Other applications in fiber optic systems

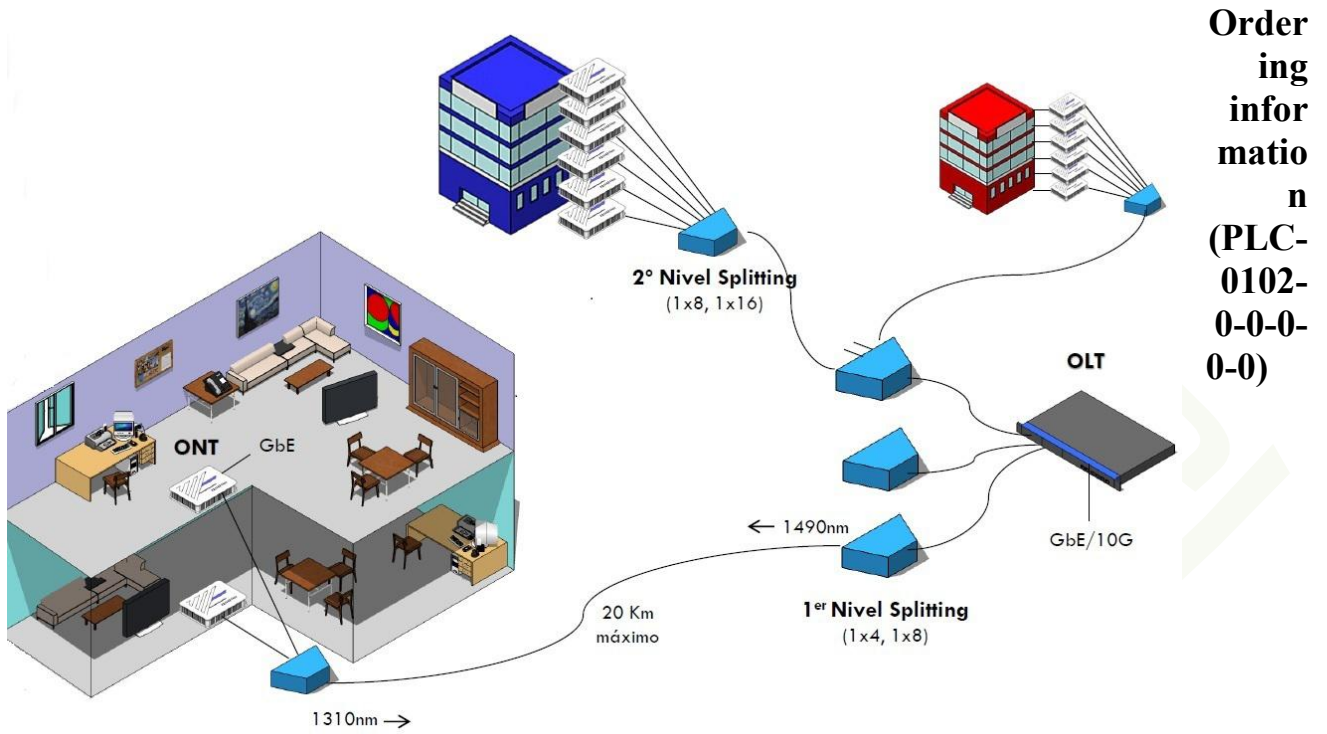


### Specification

Parameters	1×32
Operating Wavelength (nm)	1260~1650
Fiber Type	G657A1 or customer specified
Insertion Loss (dB) (P/S Grade)	16.5/16.9
Loss Uniformity (dB)	1.5
Polarization Dependent Loss(dB)	0.3
Return Loss (dB) (P/S Grade)	55/50
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.5
Temperature Stability (-40~85 °C)(dB)	0.5
Operating Temperature	-40~85(°C)
Storage Temperature	-40~85(°C)
Module Dimension (mm)	120×80×18

1. Specified without connectors.
2. Add an additional 0.15dB loss per connector.

**Applications configuration diagram**



**Ordering information**  
**(PLC-0102-0-0-0-0-0)**

Product	Port	Input Pigtail Style	Input Connector	Output Pigtail Style	Output Connector	Fiber Length
PLC	0102=1x2	0=bare fiber	0=none	0=bare fiber	0=none	0=0.5m
	0104=1x4	1=900um	1=SC/PC	1=900um	1=SC/PC	1=1m
	0108=1x8	Loose tube	2=SC/APC	2=900um	2=SC/APC	2=1.5m
	0116=1x16	2=900umJacket	3=FC/PC	3=2.0mm	3=FC/PC	3=2m
	0132=1x32	3=2.0mmcable	4=FC/APC	4=3.0mm	4=FC/APC	4=3m
	0164=1x64	4=3.0mmcable	5=ST		5=ST/PC	5=4m
	1128=1x128		6=LC/PC		6=LC/PC	S=special
			7=LCAPC		7=LCAPC	