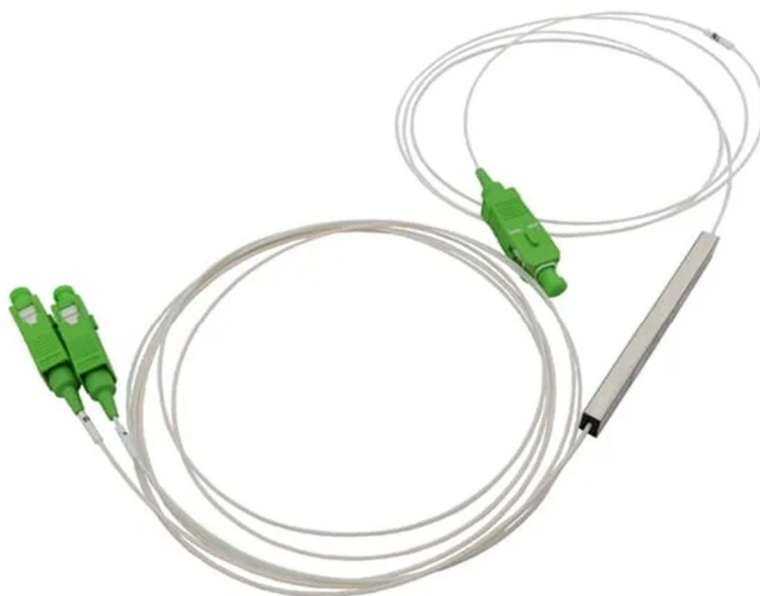


Optical Fiber Splitter

TECHNICAL DATA SHEET

**1 x 2 PLC Fiber Splitter, Mini Module,
900 μ m, SC/APC, Single mode**



1 x 2 PLC Fiber Splitter, Mini Module, 900 μ m, SC/APC, Single mode

Product Description

The 1 \times 2 PLC Fiber Splitter (Mini Module) is a passive optical device based on Planar Lightwave Circuit (PLC) technology, designed to split one optical input signal into two outputs with high precision and stable optical performance.

It is packaged in a compact mini module housing with 900 μ m tight-buffered fiber, equipped with SC/APC connectors, making it suitable for FTTH networks, optical distribution frames (ODF), and fiber management systems where connectorized and compact installation is required.

Features:

- 1 \times 2 optical splitting ratio
- PLC (Planar Lightwave Circuit) technology
- Stable and uniform power distribution
- Low insertion loss design for high port count
- Excellent channel uniformity
- Wide operating wavelength range (1260–1650 nm)
- Compact stainless steel tube package
- Bare fiber 250 μ m structure
- High reliability and long service life
- RoHS compliant
- Telcordia GR-1209 / GR-1221 qualified design

Application:

- FTTH (Fiber to the Home) networks
- Passive Optical Networks (GPON / EPON)
- Optical Distribution Frames (ODF)
- Fiber Distribution Boxes (FDB)
- CATV distribution systems
- Telecom access networks
- Data communication systems

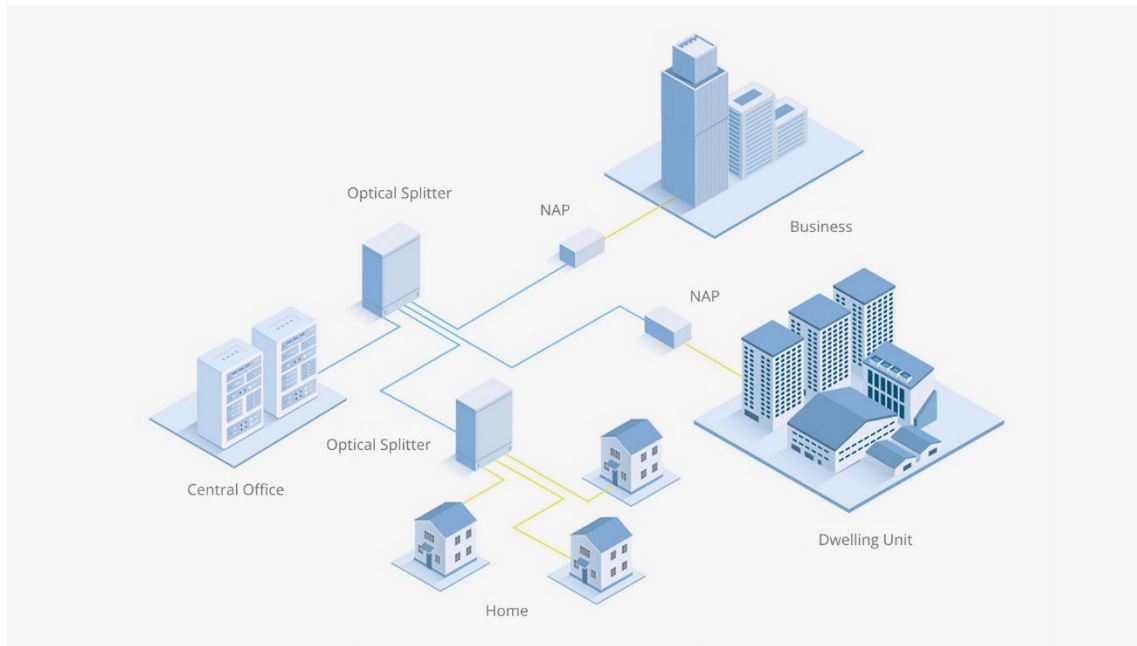
Optical Specifications

Parameter	Value
Configuration	1 × 2
Operating Wavelength	1260 ~ 1650 nm
Insertion Loss (Max)	≤ 4.0 dB
Uniformity	≤ 0.6 dB
Return Loss	≥ 60 dB (APC)
PDL	≤ 0.2 dB
Directivity	≥ 55 dB
Wavelength Dependent Loss	≤ 0.3 dB
Repeatability	≤ 0.1 dB
Stability	≤ 0.2 dB

Mechanical Specifications

Item	Specification
Package Type	Mini Module
Fiber Type	Single Mode OS2
Fiber Diameter	900 μ m Tight Buffer
Connector Type	SC/APC
Housing Material	ABS / Metal Mini Module
Input/Output Fiber Length	0.5m – 1.5m (Customizable)
Operating Temperature	-40°C ~ +85°C

Widely used in FTTX projects and data communication centers



The high-quality fiber optic splitter ensures stable transmission

