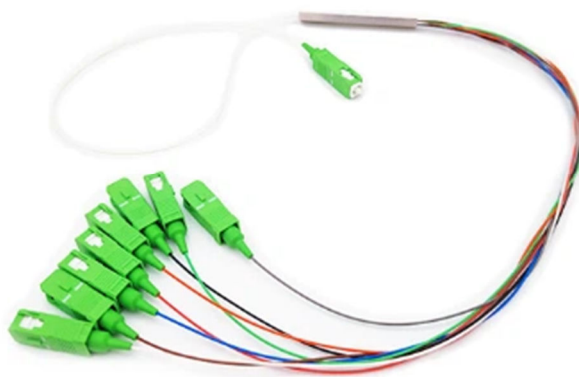


Optical Fiber Splitter

TECHNICAL DATA SHEET

**1 x 8 PLC Fiber Splitter, Mini Module,
900 μ m, SC/APC, Single mode**



1 x 8 PLC Fiber Splitter, Mini Module, 900 μ m, SC/APC, Single mode

Product Description

The 1 \times 8 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 eight output ports with stable and uniform power distribution.

It is packaged in a compact mini module housing with 900 μ m tight-buffered fiber and terminated with SC/APC connectors, making it suitable for FTTH access networks, optical distribution frames (ODF), and fiber distribution boxes (FDB). It provides low insertion loss, high reliability, and excellent long-term stability.

Features:

- 1 \times 8 optical splitting ratio
- PLC (Planar Lightwave Circuit) technology
- Mini module compact design
- 900 μ m tight-buffered fiber construction
- SC/APC connectorized ends
- Low insertion loss and high reliability
- Excellent channel uniformity
- Wide operating wavelength range (1260–1650 nm)
- Plug-and-play installation
- RoHS compliant
- Telcordia GR-1209 / GR-1221 qualified

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

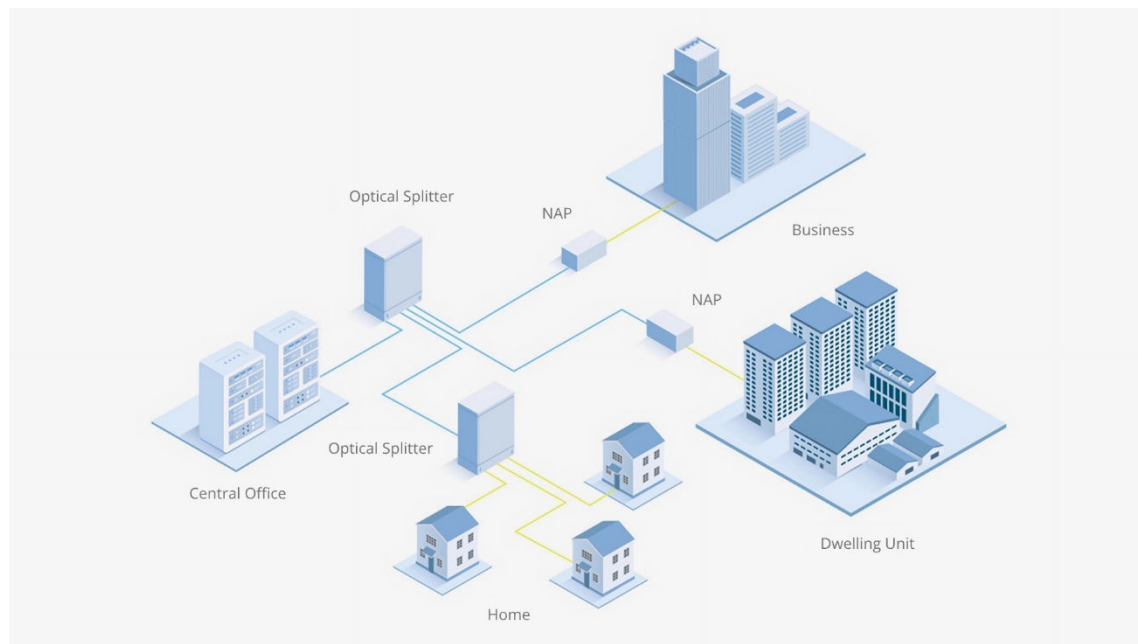
Optical Specifications

Parameter	Value
Configuration	1 × 8
Operating Wavelength	1260 ~ 1650 nm
Insertion Loss (Max)	≤ 10.5 dB
Uniformity	≤ 1.0 dB
Return Loss	≥ 60 dB (APC)
Polarization Dependent Loss (PDL)	≤ 0.3 dB
Directivity	≥ 55 dB
Wavelength Dependent Loss (WDL)	≤ 0.5 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 Length	0.5 m – 1.5 m (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

