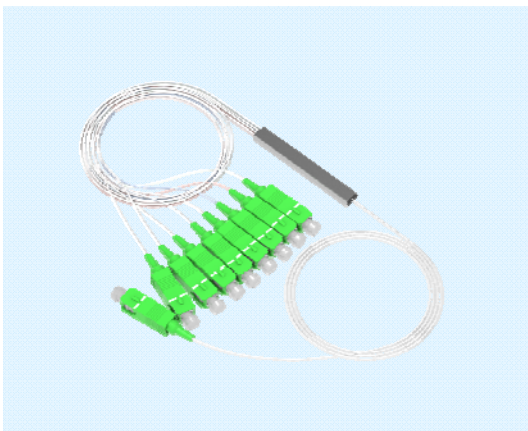
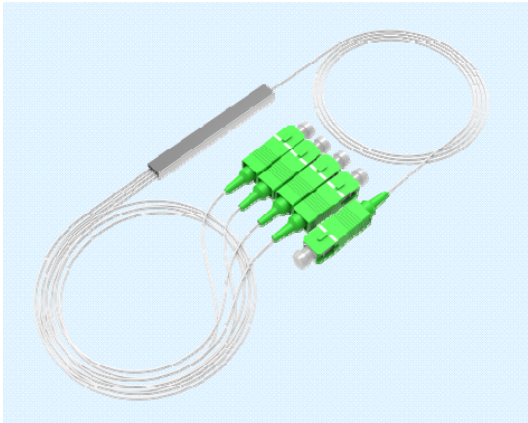


Planar Lightwave Circuit Splitter



Description

Planar lightwave circuit (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 networks to realize optical signal power splitting. Provides whole series of 1xN and 2xN splitter products that are tailored for specific applications. All products meet GR-1209-CORE-2001 and GR-1221-CORE-1999 requirements systems.

Features

- Low Insertion loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength:
From 1260nm to 1650nm
- Wide Operating Temperature:
From -40°C to 85°C
- High Reliability and Stability

Application

- FTTX Systems
- PON Networks
- CATV Links
- Optical Signal Distribution

Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS

Specifications:

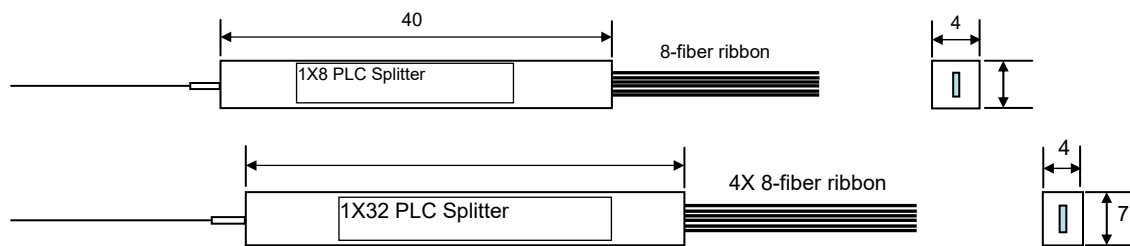
Parameters	1x2	1×4	1×8	1×16	1×32	1×64	1×128
Operating Wave-length (nm)	1260~1650						
Fiber Type	G657A or customer specified						
Insertion Loss (dB) (P/S Grade) Max.	3.8/4.0	7.1/7.3	10.2/10.5	13.5/13.7	16.5/16.9	20.5/21	23.8/24.2
Loss Uniformity (dB) Max.	0.6	0.6	0.8	1.2	1.5	2.0	2.5
Return Loss (dB) Min.	55	55	55	55	55	55	55
Polarization Dependent Loss(dB) Max.	0.2	0.2	0.3	0.3	0.3	0.4	0.5
Directivity (dB) Min.	55	55	55	55	55	55	55
Wavelength Dependent Loss(dB) Max.	0.5	0.5	0.5	0.8	0.8	1.0	1.2
Operating Temperature (°C)	-40~85						
Storage Temperature (°C)	-40~85						
Minitype Dimension (mm) (L×W×H)	40×4×4	40×4×4	40×4×4	60×7×4 Or 50×7×4	60×7×4 Or 50×7×4	60×12×4	NA
Mini-Module Dimension (mm) (L×W×H)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	100X40X6	NA

Notes:

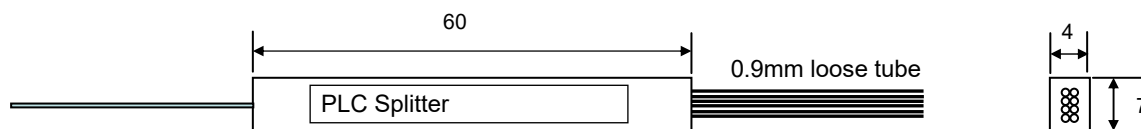
1. Specified without connectors.
2. Add an additional 0.3dB loss per connector.

Mechanical Dimensions (Unit: mm)

- PLC Splitter Minitype



- PLC Splitter Mini-Module



Notice: The above splitters can be added with different types of connection heads according to customer requirements.

For More Information:

Email: sales@telexmax.cn

www.telexmax.cn

www.telexmaxcable.com