

### PLC Splitters

## Introduction

Founded in 2004, Viscore Technologies designs, manufactures and distributes photonics products that transform optical networks. We've introduced the highest integrated hybrid solutions for Passive Optical Networks.

## PLC Splitter (S.S Tube Package)

1X2/1x4/1X8/1X16/1X32/1X64/2x2

2X4/2X8/2X16/2X32



PLC splitters provide low-cost solution for optical signal distribution, with small form factor and exceptional reliability. Advanced features include high quality performance, low insertion loss, low PDL, high return loss and excellent uniformity over a wide wavelength range from 1260 nm to 1620 nm.

Viscore offers standard configurations (see table), as well as customized structures & packaging. These products meet or exceed Telcordia GR-1209-CORE and GR-1221-CORE reliability qualification requirement.

## Features

- Good uniformity and low insertion loss
- Low Polarization Dependent Loss
- Excellent Environmental Stability
- Excellent Mechanical
- Stability Telcordia GR-1221 and GR-1209

## Applications

- Fiber to The Point (FTTX)
- Fiber to The Home (FTTH)
- Passive optical networks(PON)
- Cable Television (CATV)
- Test Equipment

## Viscore Product Lines

- EDFA HPI Passives & Subassemblies
- Discrete Components
- PLC Modules
- Transceivers
  - SFP, SFP+
  - GBIC
  - XFP
  - X2
  - XENPAK

# Performance Specification

Parameter	Specification										
Operating Wavelength (nm)	1280 ~ 1650										
Type	1x2	1x4	1x8	1x16	1x32	2X2	2x4	2x8	2x16	2x32	1x64
Insertion Loss (dB) Max. *	<4.0	<7.3	<10.8	<14.0	<17.0	<4.2	<7.6	<11.2	<14.5	<18.2	<21.5
Uniformity (dB) Max.*	<0.6	<0.8	<1.0	<1.5	<2.0	<0.8	<1.2	<1.5	<2.0	<2.5	<2.5
PDL(dB)Max.*	<0.2	<0.2	<0.2	<0.3	<0.3	<0.3	<0.3	<0.3	<0.4	<0.4	<0.4
Directivity (dB) Min *	55										
Return Loss (dB) Min *	55(50)										
Operating Temperature (°C)	-40~ +85										
Storage Temperature (°C)	-40 ~ +85										
Fiber length	1m or custom length										
Fiber Type	Corning SMF-28e fiber										
Connector Type	Custom specified										
Power Handling (mW)	300										

\* 1.Measured at room temperature and excludes connector loss.

2.For devices with connectors, insertion loss will be 0.3dB higher. Return Loss >55dB(APC),>50dB(UPC).

## Ordering Information

Manufactured at our facilities in Wuxi China, Viscore can provide an exact PLC Splitter to meet your performance requirements. Please contact the closest Sales Office so we can provide a timely quote that specifically matches your needs.

### Contact Information

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