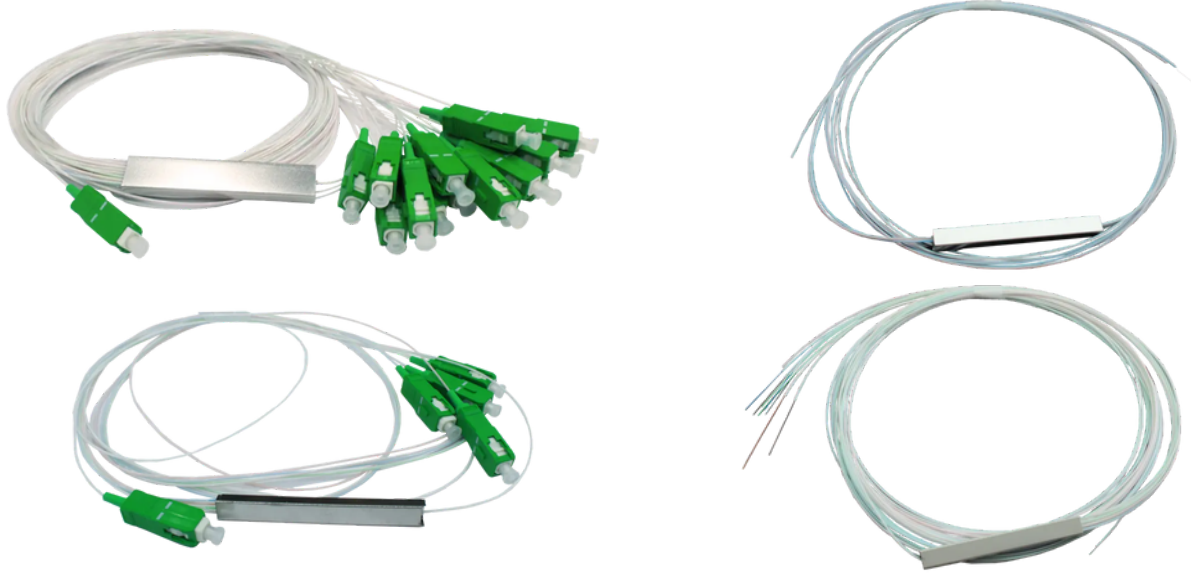


Technical Data Sheet



Product Description

Mini Type Planar light-wave circuit splitter (PLC Splitter) is a type of optical power management device that is fabricated using silicaoptical wave-guide technology. It is used to split a fiber optic beam into several beams at a certain splitting ratio. It is an important passive device in passive optical network.

Features

- * Low Insertion loss and PDL
- * Compact Design
- * Good channel-to-channel uniformity
- * Wide Operating Wavelength: From 1260nm to 1650nm
- * High Reliability and Stability

Applications

- * FTTH/FTTX Systems
- * PON Networks
- * CATV
- * Communication Equipment/Optical Signal Distribution

Technical Test Data

Split Ratio	1x2	1x4	1x8	1x16	1x32	2x2	2x4	2x8	2x16	2x32
Wavelength	1260~1650 (nm)									
Insertion Loss(dB)	≤3.6	≤7.2	≤10.2	≤13.5	≤16.2	≤3.8	≤7.5	≤10.7	≤14	≤17
Uniformity(dB)	≤0.4	≤0.6	≤0.8	≤1.0	≤1.2	≤0.6	≤1.0	≤1.2	≤1.5	≤1.8
PDL(dB)	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3
Directivity(dB)	≥55									
Operating temperature	-40~+85									
Fiber type	SM G657A or customized									
Connector	SC, FC, LC									
Pigtail (mm)	1000, 1500, 2000 or customized									

Remark:

(1) Test in room temperature and include connector. (2) R≥55dB without connector