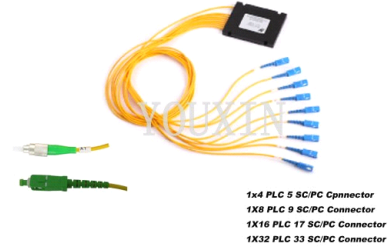


1/2x N PLC Splitter

Features

- ◇ Good uniformity and low insertion loss
- ◇ Low Polarization Dependent Loss
- ◇ Excellent Environmental Stability
- ◇ Excellent Mechanical
- ◇ Stability Telcordia GR-1221 and GR-1209
- ◇ Components through TLC-Certified, Conform to YD1117-2001



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Description

Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology. It features wide operating wavelength range, good channel-to-channel uniformity, high reliability and small size, and is widely used in PON networks to realize optical signal power management. ADK provides a whole series of 1xN and 2xN splitters that are tailored for specific applications. All products meet Telcordia 1209 and 1221 reliability requirements and are certified by TLC for network deployment. Bare, fan-out, blockless, plastic and metal box are optional.

Parameter

| Item | Specification | | | | | | | | | |
|---------------------------------|---------------------|---------|-----------|-----------|-----------|------|------|------|------|------|
| Operating wavelength | 1260 ~ 1650nm | | | | | | | | | |
| Type | 1x2 | 1x4 | 1x8 | 1x16 | 1x32 | 2x4 | 2x8 | 2x16 | 2x32 | 1x64 |
| Insertion loss (dB) max. (P/A)* | 3.8/4.1 | 7.1/7.3 | 10.5/10.8 | 13.5/14.0 | 16.5/17.0 | 7.8 | 11.2 | 14.5 | 17.8 | 20.5 |
| Uniformity (dB) max.* | <0.6 | <0.8 | <1.0 | <1.5 | <1.5 | <1.0 | <1.5 | <1.5 | <2.0 | <2.5 |
| PDL(dB) max.* | <0.2 | <0.2 | <0.2 | <0.3 | <0.3 | <0.3 | <0.3 | <0.4 | <0.4 | <0.3 |
| Directivity (Min) | 55 dB | | | | | | | | | |
| Return loss (Min) | 55(50) dB | | | | | | | | | |
| Operating temperature | -40~ +85°C | | | | | | | | | |
| Storage temperature | -40 ~ +85°C | | | | | | | | | |
| Fiber length | 1m or custom length | | | | | | | | | |

1/2x N PLC Splitter

| | |
|----------------|-------------------------|
| Fiber type | ITU G652.D/G657.A Fiber |
| Connector type | Custom specified |
| Power handling | 300 mW |

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).

Applications

- ◇ Fiber to the point (FTTX)
- ◇ Fiber to the home (FTTH)
- ◇ Passive optical networks(PON)
- ◇ Local area networks (LAN)
- ◇ Cable television (CATV)
- ◇ Test equipment

System Chart

