

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. YOUXIN 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									

1/2x N PLC Splitter

Fiber length	1m or custom length
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

