

1*8 Steel tube PLC Splitter

Overview

The AOA single-mode Planar Lightwave Circuit Splitter (PLCS) are developed based on unique silica glass waveguide process with reliable precision aligned fiber pigtail in a miniature package, it provides a low cost light distribution solution with small form factor and high reliability.



The 1x8 Steel tube PLC Splitter devices have high performance in terms of low insertion loss, low PDL, high return loss and excellent uniformity over a wide wavelength range from 1260nm to 1620nm and working in temperature from -40°C to +80°C. The PLC Optical Splitters have standard configurations of 1x4, 1x8, 1x16 and 1x32 configurations, as well as customized structures of 2x8, 2x16, 2x32.

Features

- Compact design
- Low insertion loss and low PDL
- High reliability
- High channel counts
- Wide wavelength range
- Large operating temperature range
- Customized packaging and configuration

Application

- FTTx Systems
- LAN, WAN and Metro Networks
- Analog/Digital Passive Optical Networks
- CATV Networks
- Other applications in fiber optic systems

Technical Indexes

Parameters	Specifications
Channel Number	1x8
Operating Wavelength(nm)	1260-1650
Insertion Loss (dB)	≤10.8
Loss Uniformity (dB)	≤0.8
Polarization Dependent Loss (dB)	≤0.3
Return Loss (dB)	≥50
Directivity (dB)	≥55
Package Dimension(mm)	60×7×4
Operating Temperature (°C)	-40~85
Storage Temperature (°C)	-40~85

Specifications may change without notice

Dimensions

