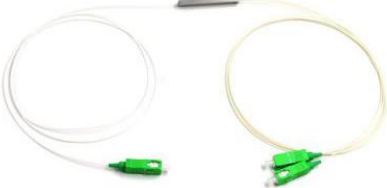


ITEM	Steel tube PLC Splitter
MODEL NO.	PLC-S-102
DESCRIPTION	1*2 Steel tube PLC Splitter
	

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. Compliant with Telcordia GR-1209, Telcordia GR-1221, IEC 61753-1 and IEC 61755-1 Grade B.

The 1x2 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

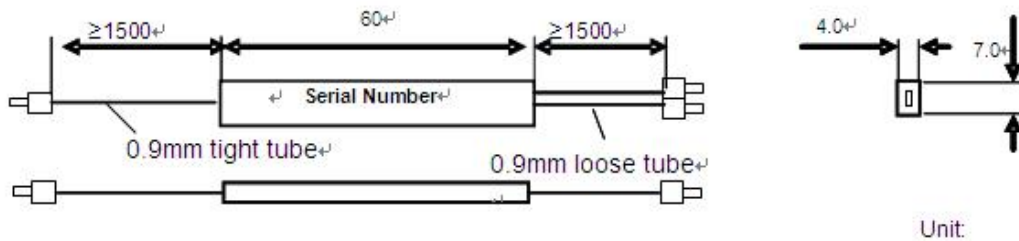
- FTTx Systems
- LAN, WAN and Metro Networks
- Analog/Digital Passive Optical Networks
- CATV Networks
- Other applications in fiber optic systems

Technical Indexes

Parameters	Specifications
Channel Number	1x2
Operating Wavelength (nm)	1260~1650
Fiber type	G657A1(default)
Connector type	Without connector, SC/UPC, SC/APC
Insertion Loss (dB)	without connector ≤ 3.9 ; with connector ≤ 4.1
Loss Uniformity (dB)	≤ 0.5
Polarization Dependent Loss (dB)	≤ 0.2
Return Loss (dB)	UPC ≥ 50 ; APC ≥ 55
Directivity (dB)	≥ 55
Package Dimension (mm)	Bare: 40x4x4 Fan-Out: 60x7x4
Operating Temperature ($^{\circ}\text{C}$)	-40~85
Storage Temperature ($^{\circ}\text{C}$)	-40~85

Specifications may change without notice

Dimensions



Ordering Information

Technology	Package	Port	Fiber Type	Input Pigtail	Fiber Length	In/Out Connector
PLC	<input type="checkbox"/> B=Bare Fiber S=Steel Type A=ABS Box M=Modular R=Rack-Mountd C=Customized	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 102=1x2 104=1x4 108=1x8 116=1x16 132=1x32 164=1x64 202=2x2 204=2x4 208=2x8 216=2x16 232=2x32 264=2x64	<input type="checkbox"/> 1=G652D 2=G657A C=Customized	<input type="checkbox"/> 1=Bare Fiber 2=900 μm jacket fiber 3=2.0 jacket fiber 4=3.0 jacket fiber	<input type="checkbox"/> 1=1M 2=1.2M 3=1.5M C=Customized	<input type="checkbox"/> 0=Without Connector 1=SC/PC 2=SC/APC 3=FC/PC 4=FC/APC 5=LC/UPC 6=LC/APC C=Customized

Example: PLC-S-104-2-2-1-1: Steel Type 1x4 G657A 0.9mm 1M SC/UPC