

PLC-A-102

Fiber Optic PLC Splitter

1*2 ABS Box 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, IEC 61755-1 Grade B and EIA/TIA 598 standard.

The 1x2 ABS box module type PLC Splitters 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 1650nm and working in temperature from -40°C to $+80^{\circ}\text{C}$. The PLC Optical Splitters have standard configurations of 1x2, 1x4, 1x8, 1x16, 1x32, and 1x64 configurations, as well as customized structures of 2x2, 2x4, 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

Applications

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

Technical Specifications

Type	Parameters
Channel Number	1x2
Operating Wavelength (nm)	1260~1650
Fiber Type	G657A1 (default)
Fiber Length (m)	1 Meter (default)
Connector Type	Without connector, SC/UPC, SC/APC
Additional Loss Per Connector (dB)	≤0.25
Insertion Loss (dB)	without connector ≤3.7; with connector ≤4.0
Loss Uniformity (dB)	≤0.5
Polarization Dependent Loss (dB)	≤0.2
Return Loss (dB)	UPC ≥50; APC ≥55
Directivity (dB)	≥55
Package Dimension (mm)	90x20x10
Operating Temperature (° C)	-40~85
Storage Temperature (° C)	-40~85
Relative Humidity	up to 82%

1. Specifications may change without notice

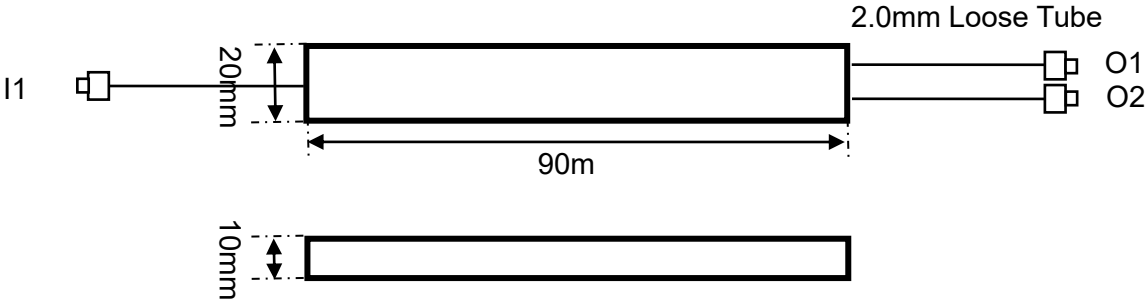
2. At the input and output of the splitter with connectors, each thread come with a numerical identification that details the order

Order Information

Type	Package	Port	Fiber Type	Input Pigtail	Fiber Length	Connector
PLC	□	□□□	□	□	□	□
	B=Bare Fiber	102=1x2	1=G652D	1=Bare fiber	1=1M	0=Without
	S=Steel Type	104=1x4	2=G657A	2=900μm	2=1.2M	Connector
	A=ABS Box	108=1x8	C=Customized	3=2.0mm	3=1.5M	1=SC/UPC
	M=Modular	116=1x16		4=3.0mm	C=Customized	2=SC/APC
	R=Rack-Mount	132=1x32				3=FC/UPC
	C=Customized	164=1x64				4=FC/APC
		202=2x2				5=LC/UPC
		204=2x4				6=LC/APC
		108=1x8				C=Customized
		116=1x16				
		132=1x32				
		164=1x64				

Example: PLC-A-102-2-3-1-1: ABS Box Type 1x2 G657A 2.0mm 1M SC/UPC

Dimensions



For further information, please visit our website <https://www.aoatech.com>

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