

<b>ITEM</b>	<b>ABS Box PLC Splitter</b>
<b>MODEL NO.</b>	<b>PLC-A-116</b>
<b>DESCRIPTION</b>	<b>1*16 ABS Box PLC Splitter</b>
	

### 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 1x16 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

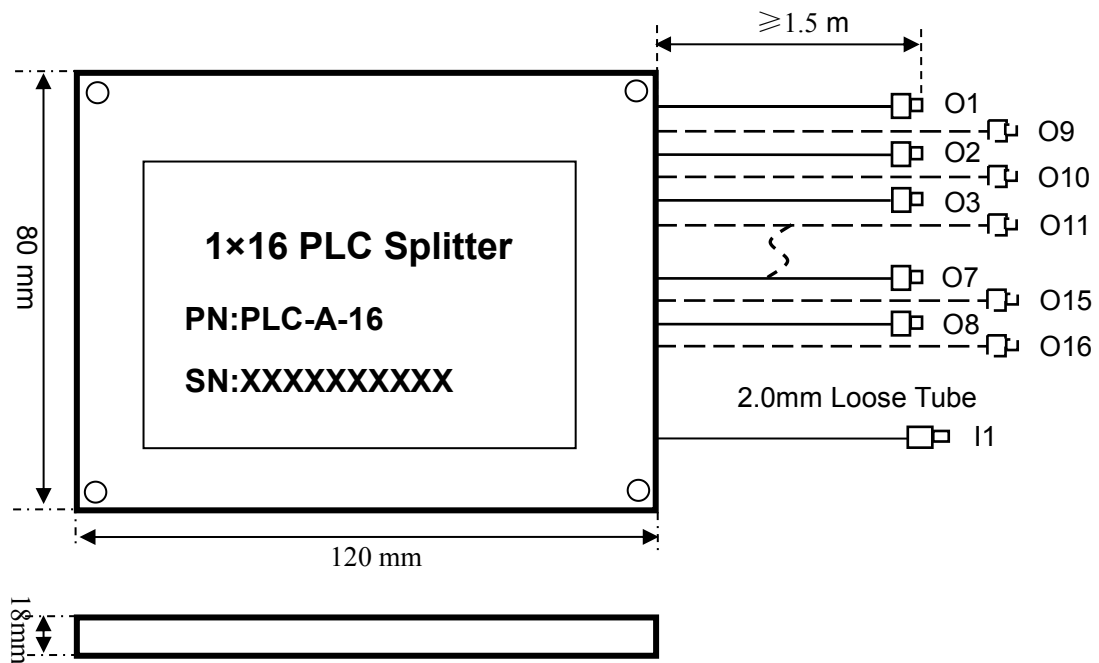
### Application

- 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	1x16
Operating Wavelength (nm)	1260~1650
Insertion Loss (dB)	without connector $\leq 13.6$ ; with connector $\leq 13.8$
Loss Uniformity (dB)	$\leq 1.4$
Polarization Dependent Loss (dB)	$\leq 0.3$
Return Loss (dB)	UPC $\geq 50$ ; APC $\geq 55$
Directivity (dB)	$\geq 55$
Package Dimension (mm)	120x80x18
Operating Temperature (°C)	-40~85
Storage Temperature (°C)	-40~85

**Dimensions**





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**Ordering Information**

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

Example: PLC-A-104-2-4-1-1: ABS Box Type 1x4 G657A 3.0mm 1M SC/UPC