

PLC (Planar Lightwave Circuit) Splitter, PON Splitter is a type of optical power distribution device that is fabricated using silica optical waveguide technology to distribute optical signals from central office (CO) to multiple premise locations uniformly.

## **Applications:**

- CATV,LAN,WAN
- FTTX,PON Networks
- Data Communication
- Optical Signal Distribution
- DWDM,CWDM Systems
- Passive Optical Networks(PON)

## **Features:**

- Silica FA Technology.
- Premium Chip.
- Clearly defined parameter.
- Low IL,PDL,High RL.
- Distribute optical power uniformity.
- Good resistance of Temp.&Humidity.

# SPECIFICATIONS 1xN:

Parameter	Units	1X2	1X4	1X8	1X16	1X32	1X64	1X2	1X4	1X8	1X16	1X32	1X64
Fiber Type	-	SM 9/125 ITU G.657.A1						SM 9/125 ITU G.657.A1					
In/Out diameter	mm	Ø 0.9						Ø 0.9					
In/Out Length	m	1M (Standard) or Customized Length						1M (Standard) or Customized Length					
In/Out Connector	-	N/A						Both end Connector					
Work Wavelength	nm	1260~1650						1260~1650					
Insertion Loss	dB	3.8	7.1	10.3	13.2	16.5	19.8	4.1	7.4	10.5	13.5	16.9	20.3
PDL	dB	0.2	0.2	0.3	0.3	0.3	0.25	0.2	0.2	0.3	0.3	0.3	0.25
Uniformity	dB	0.4	0.5	0.8	1.0	1.2	1.3	0.8	0.7	0.8	1.0	1.2	1.3
Return Loss	dB	>55 dB						APC: >55 dB ; UPC: >50 dB					
Directivity	dB	>55 dB						>55 dB					
Operating Temperature	°C	-40~85						-40~85					