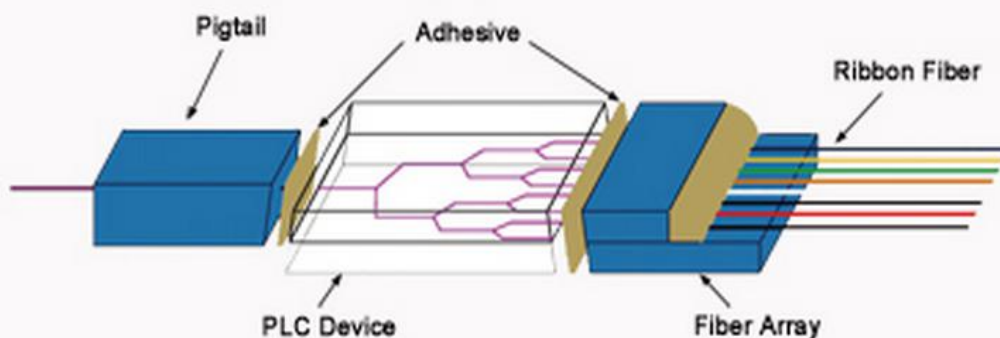




PLC Splitter

Introduction

PLC-Planar Lightwave Circuit Splitter is a kind of power splitter based on the integrated quartz baseplate. Single Mode PLC 1×N and 2×N Splitter divide uniformly optical signals from one or two inputs to multiple outputs, and splitter can be operated in reverse direction to combine multiple signals into one fiber or two fibers.



Feature

- Broadband Operation Wavelength
- Low Insertion loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- High Reliability and Stability

Applications

- Telecommunication sector
- PON Syster
- FTTH
- CATV
- Video Transmission



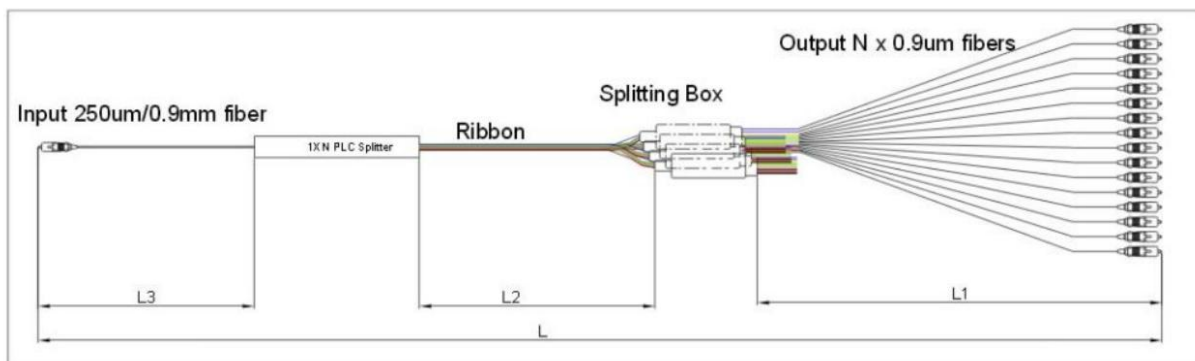
Specification

Item	Parameter					
Operating Wavelength(nm)	1260 ~ 1650					
Type (1*N)	1*2	1*4	1*8	1*16	1*32	1*64
Max.Insertion Loss (dB)	3.9	7.2	10.3	13.5	16.8	20.3
Max.Uniformity (dB)	0.8	0.8	0.8	1.0	1.5	2.0
Min.Return Loss (dB)	55					
Max.PDL (dB)	0.2	0.3	0.3	0.3	0.3	0.5
Type (2*N)	2*2	2*4	2*8	2*16	2*32	2*64
Max.Insertion Loss (dB)	4.2	7.5	10.6	13.9	17.2	20.8
Max.Uniformity (dB)	0.8	1.0	1.2	1.5	1.8	2.0
Min.Return Loss (dB)	55					
Max.PDL (dB)	0.2	0.3	0.3	0.3	0.3	0.5
Fiber Type	ITU-T G657A1 , G657A2 and G.652D					
Max.Temperature Stability (dB)	0.5(Typical 0.3)					
Operating Temperature (℃)	-40 ~ +85					
Storage Temperature (℃)	-40 ~ +85					

All measurement are made at room temperature, and connectors not included

PLC Splitter Type and Package

1、Basic Plc Splitter (0.25mm Bare ribbon type)



I- Structure Diagram



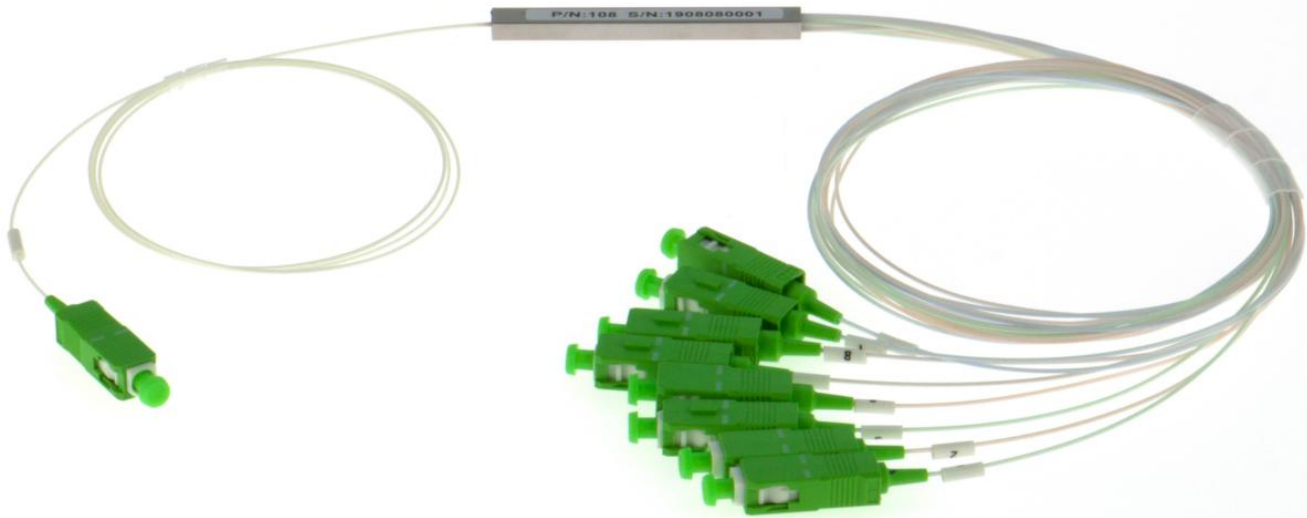
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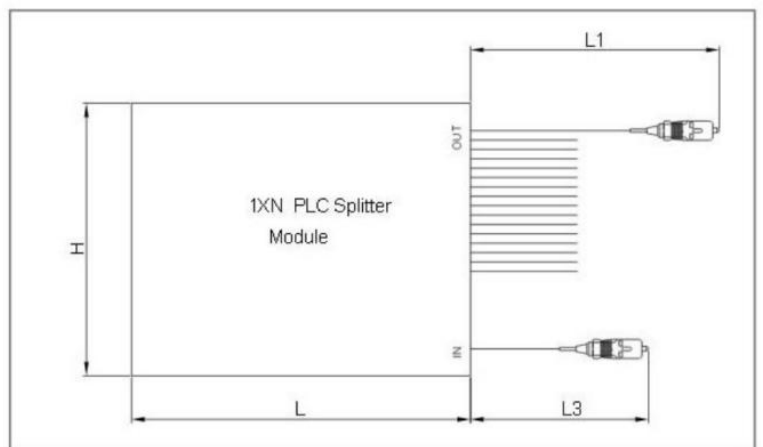
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2、Mini Module Type PLC Splitter (0.9mm cable)



II - Structure Diagram

2、Module Box Type (2.0/3.0mm cable)



III - Structure Diagram



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4、LGX Type



5、Rack Mounting Type





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Splitter Packagin Type and Dimension

Package type	Unit(mm)	1*2	1*4	1*8	1*16	1*32	1*64
Basic Package Metel box	L×W×H	40*4*4	40*4*4	40*4*4	50*7*4	60*7*4	60*12*4
Mini Module Package Metel box		60*7*4	60*7*4	60*7*4	60*12*4	80*20*6	100*40*6
Module Package Plastic box		100*80*10	100*80*10	100*80*10	120*80*18	120*80*18	140*115*18

Package type	Unit(mm)	2*2	2*4	2*8	2*16	2*32	2*64
Basic Package Metel box	L×W×H	60*7*4	60*7*4	60*7*4	60*7*4	60*7*4	80*12*4
Mini Module Packagin Metel box		70*7*4	70*7*4	70*7*4	80*12*4	80*20*6	100*40*6
Module Package Plastic box		100*80*10	100*80*10	100*80*10	120*80*18	120*80*18	140*115*18