



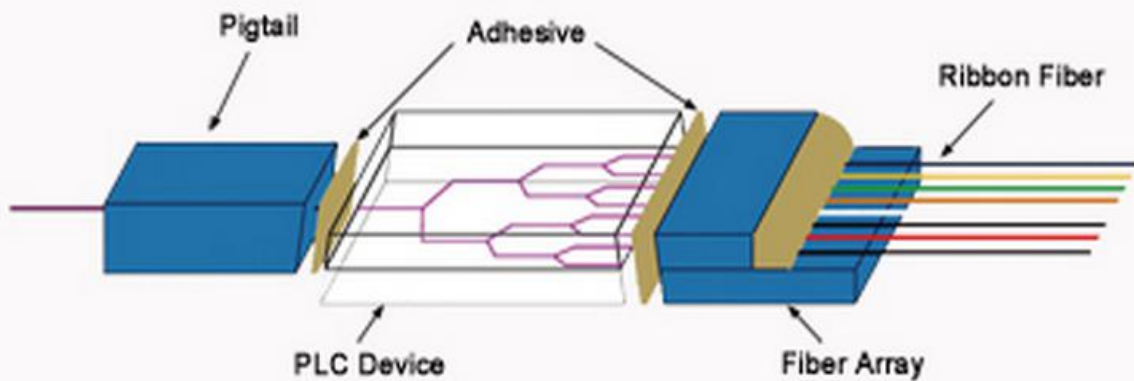
TAKFLY COMMUNICATIONS CO., LTD.

ADD: Takfly Industrial Park, Tongsheng Community, Dalang Street, Longhua District, Shenzhen, 518109, China.
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PLC Splitter specification

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



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Applications

- Telecommunication sector
- PON System
- 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 (°C)	-40 ~ +85					
Storage Temperature (°C)	-40 ~ +85					

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

PLC Splitter Type and Packagin

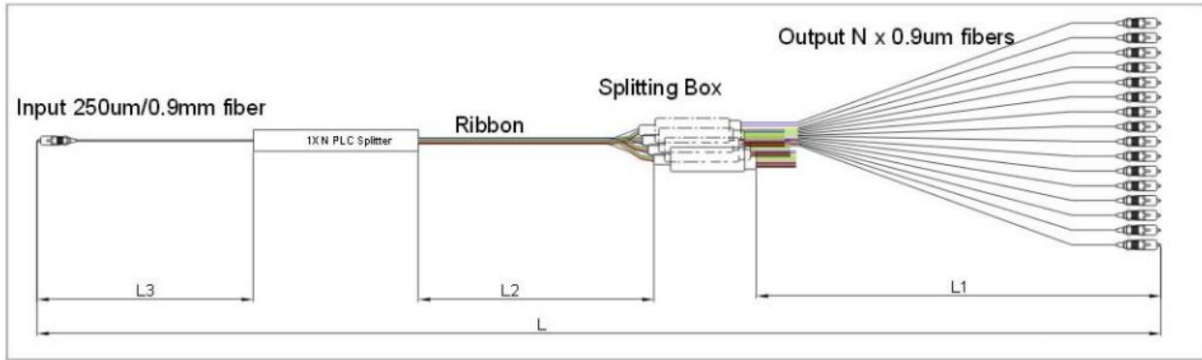
1、 Basic Plc Splitter(Bare ribbon type)





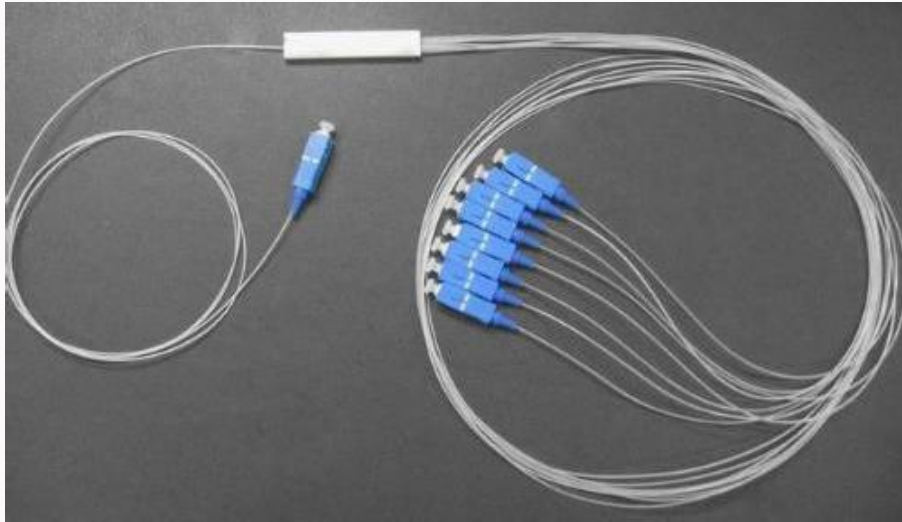
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I - Structure Diagram

2、Mini Module Type PLC Splitter



II - Structure Diagram



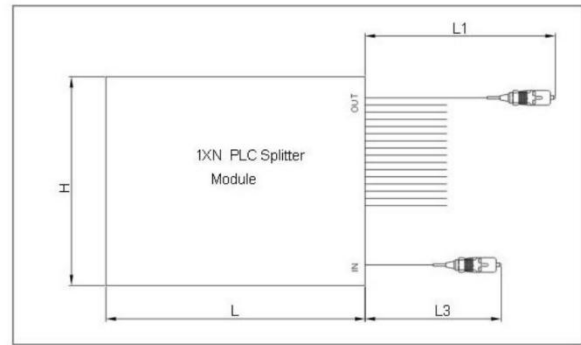
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3、Module Box Type



III - Structure Diagram

Splitter Packagin Type and Dimension

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