

PLC Splitter specification

Introduction

PLC-Planar Lightwave Circuit Splitter is a kind of power splitter based on the integrated quartz base plate. 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.

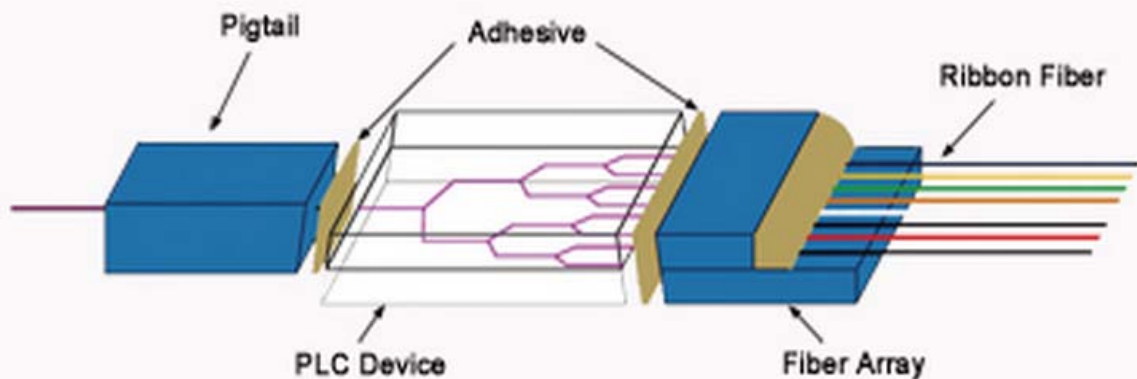
Feature

1. Broadband Operation Wavelength
2. Low Insertion loss
3. Low PDL
4. Compact Design
5. Good channel-to-channel uniformity
6. High Reliability and Stability

Applications

1. Telecommunication sector
2. PON Syster
3. FTTH
4. CATV
5. Video Transmission

PLC structure diagram



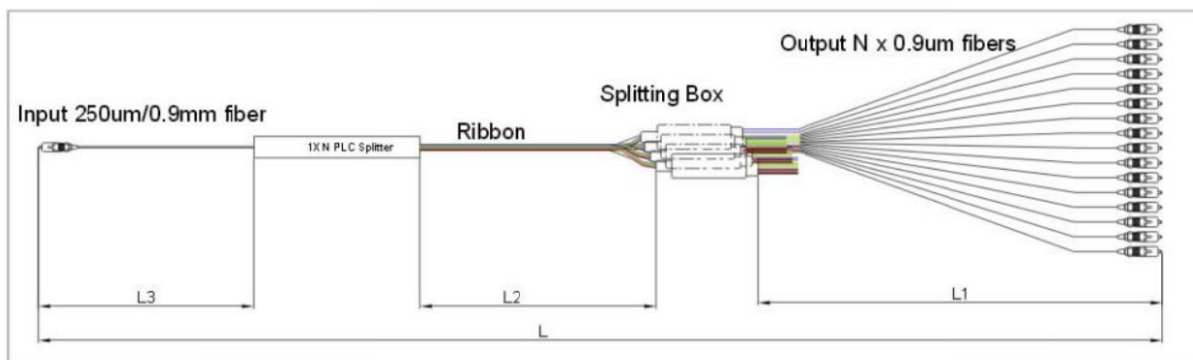
Specification

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					
StorageTemperature (℃)	-40 ~ +85					

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

PLC Splitter Type and Packag

1、Basic Plc Splitter(Bare ribbon type)



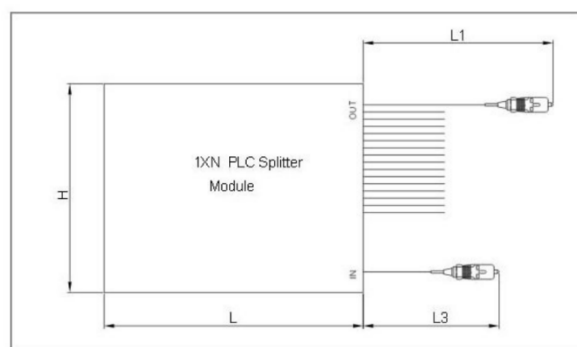
I- Structure Diagram

2、Mini Module Type PLC Splitter



II - Structure Diagram

3、Module Box Type



III - Structure Diagram

Splitter Packagin Type and Dimension

Packagetype	Unit(m m)	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 50*7*4	60*7*4 50*7*4	60*7*4 50*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*1 8

Packagetype	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