

TECHNICAL DATA SHEET
FOR
OPTICAL FIBER PLC SPLITTER
(MINI TYPE)

Product: PLC Splitter Mini Type

Date: September 4, 2020

Authorized by:

Sales Engineer

International Business Dept.

1. Description

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity. YUDA provides whole series of 1xN and 2xN splitter products that are tailored for specific applications.



(Photo only for reference)

2. Features

- Low Insertion loss
- Low PDL
- Excellent channel-to-channel uniformity
- High return loss and Good repeatability
- Wide wavelength range

3. Applications

- LAN, WAN and Metro Networks
- FTTH project & FTTX Deployments
- CATV System
- GPON, EPON
- Fiber Optic Test Equipment
- Data-base Transmit Broadband Net

4. Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- YD-T2000.1-2009
- RoHS

5. Specifications

Table 1 - 1×N PLC Splitter

Parameters	1x2	1x4	1x8
Operating Wavelength (nm)	1260~1650		
Fiber Type	G652D or customer specified		
Insertion Loss (dB)	3.8	7	10.2
Loss Uniformity (dB)	0.4	0.5	0.8
Return Loss (dB)	55	55	55
Polarization Dependent Loss(dB)	0.2	0.2	0.2
Directivity (dB)	55	55	55
Wavelength Dependent Loss(dB)	0.3	0.3	0.3
Temperature Stability (-50~ 85 °C)(dB)	0.4	0.4	0.4
Operating Temperature (°C)	-50~85		
Storage Temperature (°C)	-50~85		

- Notes:**
- 1.Specified without connectors.
 - 2.Add an additional 0.15dB loss per connector.

6. Test Report

The test report should be provided when the products are delivered. Following characteristic test data should be included:

- Insertion Loss (room temperature)
- Return Loss (room temperature)
- PPN、SN bar code
- According to Customer demands

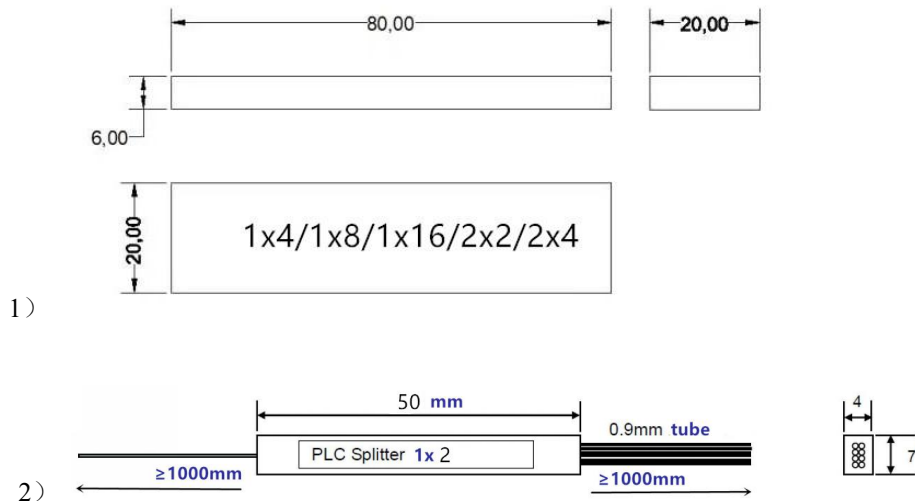
7. Ordering information

Table 2 - Mini PLC Splitter

Module	xxx	x	xx	x	xx	x	x
YD-	Port Configuration	Input Fiber Type	Input Fiber Length	Output Fiber Type	Output Fiber Length	Input Connector	Output Connector
PLC T	102=1*2	0=250um	05=0.5m	0=250um	05=0.5m	0=N0ne	0=N0ne
	104=1*4	2=2.0mm	10=1.0m	2=2.0mm	10=1.0m	1=FC/UPC	1=FC/UPC
	108=1*8	3=3.0mm	1.5=1.5m	3=3.0mm	1.5=1.5m	1=FC/APC	1=FC/APC
	116=1*16	9=0.9mm	2.0=2.0m	9=0.9mm	2.0=2.0m	3=SC/UPC	3=SC/UPC
	132=1*32	Transparent		Transparent		4=SC/APC	4=SC/APC
	164=1*64	8=0.9mm white		8=0.9mm Color		5=LC/UPC	5=LC/UPC
	202=2*2					6=LC/APC	6=LC/APC
						T=MT

8. Mechanical Dimensions:

Input:Loose tube/output:Loose tube



Fiber Color Remark:

Input: white

Output: blue/orange/green/brown/
gray/white/red/black

9. Packing and Marking

Products should be packaged carefully to prevent damage and characteristic deterioration due to temperature/humidity, mechanical vibration, and shock during transporting. Following items should be indicated on the outer packaging surface:

- Customer Product name
- Model
- Serial number
- *Other customer information such as contract no., project no., and delivery destination. (if needed)*

***Regular package Type(Customization is available):**

1).Blister box



2).Blister box & Pearl Cotton



————— **END** —————