

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

Product: PLC Splitter Module Type
Date: Sep1, 2020
Authorized by:
Sales Engineer
International BusinessDept.

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. Fibconet provides whole series of 1xN and 2xN splitter products that are tailored for specific applications.



2. Customer Encapsulation Size and type

Item recommendation	1x4	1x8
Length*Width*Height (mm)	130×100×25	130×100×25
Diameter Input/Output(mm)	0.9	0.9
Connector type	SC/APC,SC/UPC	

***Kindly advise if you need to change any value above**

3. Features

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

4. Applications

- LAN, WAN and Metro Networks
- FTTH project & FTTX Deployments
- CATV System

- GPON, EPON
- Fiber Optic Test Equipment
- Data-base Transmit Broadband Net

5. Compliance

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

6. Specifications

Table 1 - 1×N PLC Splitter

Parameters	1x2	1x4	1x8	1x16	1x32	1x64
Operating Wavelength (nm)	1260~1650					
Fiber Type	G657A or customer specified					
Insertion Loss (dB)	3.8	7	10.2	13.5	16.8	20.5/21.0
Loss Uniformity (dB)	0.4	0.5	0.8	1	1.2	2
Return Loss (dB)	55	55	55	55	55	55/50
Polarization Dependent Loss(dB)	0.2	0.2	0.2	0.2	0.2	0.35
Directivity (dB)	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability (-50~ 85 °C)(dB)	0.4	0.4	0.4	0.5	0.5	0.5
Operating Temperature (°C)	-50~85					
Storage Temperature (°C)	-50~85					
Module Dimension (mm) (L×W×H)	130×100×25	130×100×25	130×100×25	130×100×50	267×100×50	130x100x102

Notes:1.Specified without connectors.

2.Add an additional 0.15dB loss per connector.

7. 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

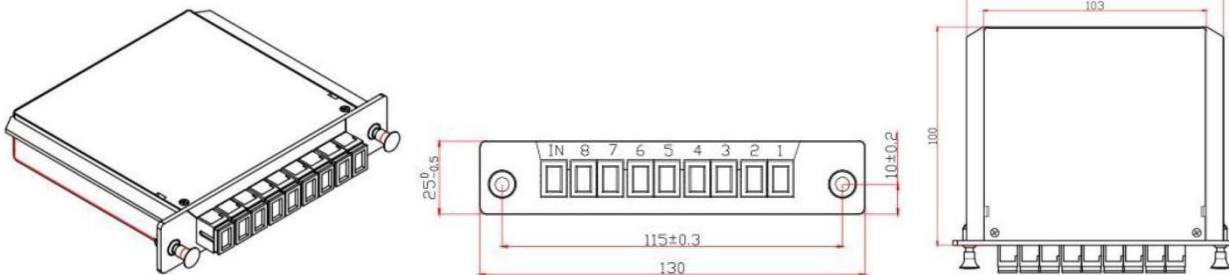
8. Ordering information

Table 2 - Module 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 Module=PMD	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		8=0.9mm		5=LC/UPC	5=LC/UPC
	202=2*2	white		Color		6=LC/APC	6=LC/APC
						T=MT

9. Mechanical Dimensions:

Input:Loose tube/output:Loose tube



Fiber Color Remark:

Input: Yellow Output: Yellow

10. Packing and Marking

Products should be packaged carefully to prevent damage and characteristic deterioration due to temperature/humidity, mechanical vibration, and shock during transportation. 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:

PLC mini type	1x4	1x8
Cardboard Box	1pc/bag	1pc/bag

1).Cardboard Box


————— **END** —————