

# PLC Splitter



## Description:

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PLC Splitters is ideal for inside/outside plant installations providing superior optical performance and field-proven environmental reliability for FTTX PON applications. PLC splitters are available in a variety of packaging options and can be offered according to customers' design and requirements. Our optical Fiber Array and PLC chip are precisely aligned within an ultra-compact package and tested according to industry standard test procedures, 100% Temperature Cycle Testing from -40 to +85°C.

## Features:

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- > Compact Design
- > Low Insertion Loss and PDL
- > Excellent IL Uniformity
- > Wide Operating Length
- > Wide Operating Temperature
- > High Reliability
- > Telcordia GR-1209 & GR-1221 Compliance
- > Corning Fibers

## Applications:

- > FTTX
- > Passive Optical Networks (PON)
- > Local Area Networks (LAN)
- > CATV systems
- > Test Equipment

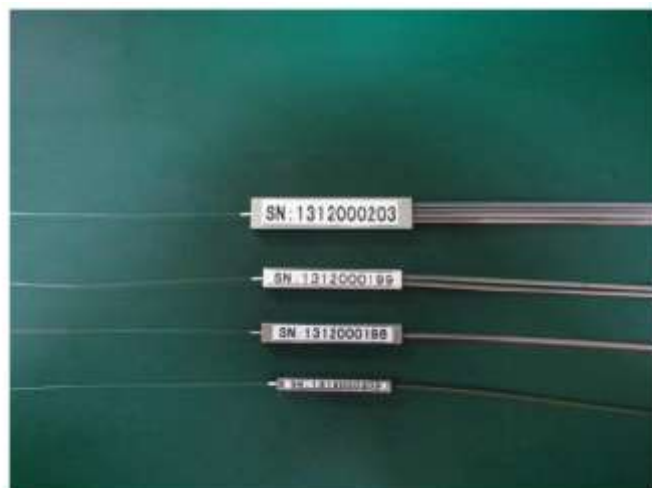
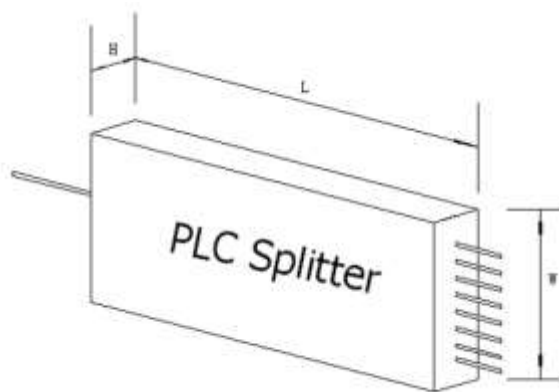
## Specifications and Dimensions:

Channel Number	1X2	2X2	1X4	2X4	1X8	2X8	1X16	1X24	2X16	1X32	2X32	1X64
Operation Wavelength (nm)	1260~1650											
Insertion Loss (dB)	3.8	4.1	7.1	7.4	10.2	10.6	13.5	15.8	13.9	16.6	17.1	20.1
Uniformity (dB)	0.6	0.8	0.6	0.8	0.8	1.2	1.2	1.5	1.5	1.5	2	2
PDL (dB)	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.4	0.3	0.4	0.4
Return Loss (dB)	≥55											
Directivity (dB)	≥55											
Operating Temperature (°C)	-40 ~ +85											
Storage Temperature (°C)	-40 ~ +85											
Operating Humidity (%RH)	≤93											
Storage Humidity (%RH)	≤93											

\*Notes:

- 1.All parameters are tested at 1310nm&1550nm and room temperature;
- 2.The IL are tested without connector loss ;
- 3.If including connector, IL will increase 0.3dB/pair for PC&UPC type and 0.4dB/pair for APC type.

## Packaging Specifications:



Channel Number	Package Type			
	Stainless Steel Tube		ABS Box	19'Rack Mount
	Bare fiber 250µm	Direct 0.9mm	Pigtail : 0.9/2.0/3.0mm	Adapter
	Or Fan Out 0.9mm		Tube	
1x2	A1-40x4x4			1U
2X2	A11-50x4x4			1U
1X4	A1-40x4x4	A3-60x7x4	A6-100x80x10	1U
2X4	A11-50x4x4	A3-60x7x4	A6-100x80x10	1U
1X8	A1-40x4x4	A3-60x7x4	A6-100x80x10	1U
2X8	A11-50x4x4	A3-60x7x4	A6-100x80x10	1U
1X16	A2-50x7x4	A4-60x12x4	A7-120x80x18 (2.0) A8-141x115x18(0.9, 3.0)	1U
2X16	A22-55x7x4	A4-60x12x4	A7-120x80x18 (2.0) A8-141x115x18(0.9, 3.0)	1U
1X24	A2-50x7x4	A5-80x20x6	A7-120x80x18 (2.0) A8-141x115x18(0.9, 3.0)	1U/2U
1X32	A2-50x7x4	A5-80x20x6	A7-120x80x18 (2.0) A8-141x115x18(0.9, 3.0)	1U/2U
2X32	A22-55x7x4	A5-80x20x6	A7-120x80x18 (2.0) A8-141x115x18(0.9, 3.0)	1U/2U
1X64	A4-60x12x4		A8-141x115x18(0.9, 2.0, 3.0)	1U/2U

## Ordering Information:

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Port		Fiber Type	Package Type	Input Type		Output Type		Pigtail Length		Connector Type	
0102	1x2	1 G652D	A1	B	250µm Ribbon Fiber	B	250µm Ribbon Fiber	00	Adapter	2U	FC/UPC
0202	2x2	2 G657A	A2	L	900µm Loose	L	900µm Loose	05	0.5m	2A	FC/APC
0104	1x4		A3	S	2.0mm	S	2.0mm	10	1m	4U	SC/UPC
0204	2x4		A4	R	3.0mm	R	3.0mm	15	1.5m	4A	SC/APC
0108	1x8		A5	0	Adapter	0	Adapter	20	2m	E2	E2000/APC
0208	2x8		A6					X	Other	E2U	E2000/UPC
0116	1x16		A7							1U	ST/UPC
0124	1x24		A8							9U	LC/UPC
0216	2x16		1U							9A	LC/APC
0132	1x32		2U							00	None
0232	2x32		M-Module							X	Other
0164	1x64		MT-Thin Module								
X	Other		M2-BIG Module								

**Example: FPL C – 0202-1-A1BB-10-2U**

[Port=2x2; Fiber Type=G652D; Package Type=A1; In/Output=250µm Ribbon Fiber; Pigtail Length=1m; Connector Type=FC/APC]

**FPLC-3U-** for 3U rack mount, Suitable for Up to eight modules.