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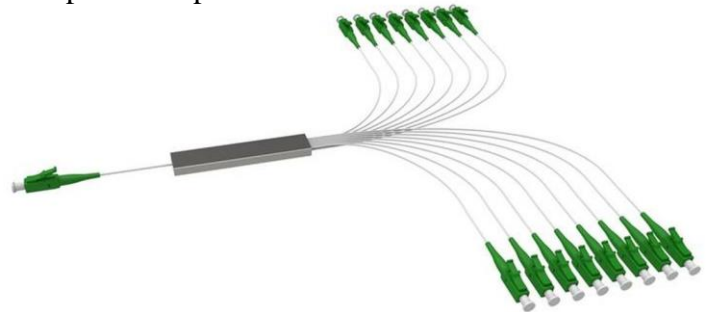
2xN Single Mode PLC Splitter

Product Description

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology to distribute optical signals from Central Office (CO) to multiple premise locations. Bare fiber splitter is a kind of ODN product suitable for PON networks that can be installed in the pigtail cassette, test instrument and WDM system, which minimizes the space occupation.
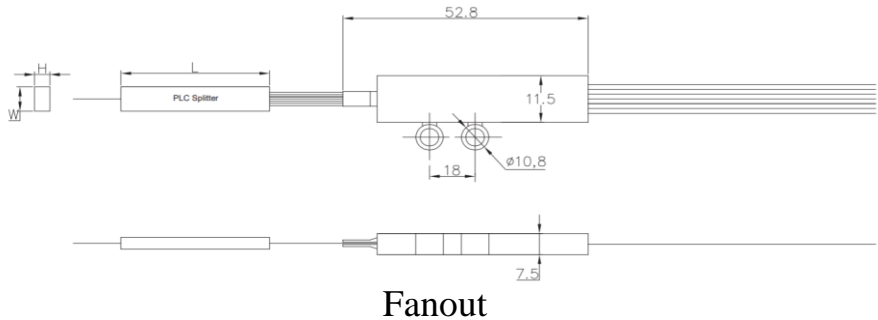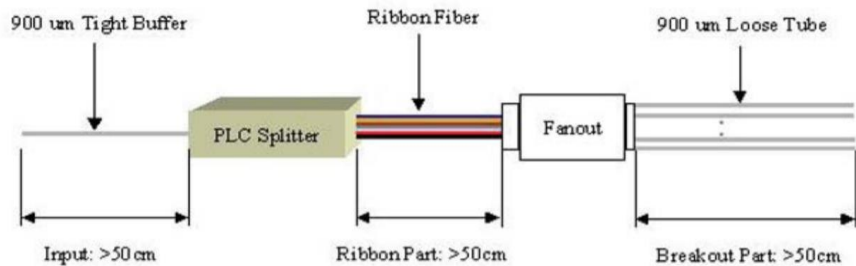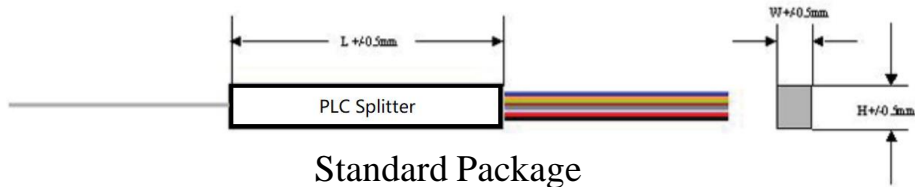
Features

- Wide Operating Wavelength
- Ultra Low Excess Loss
- Low Polarization Sensitivity
- Highly Stable & Reliable
- High Uniformity
- Ultra Low Cost
- Telcordia GR-1221 and GR-1209 Qualified

Applications

- Telecommunications
- FTTX
- CATV
- LAN
- Passive Optical Network (PON)

Performance Specifications

Parameters	Specifications						Unit
Wavelength	1260 ~ 1650						nm
Ports	2x2	2x4	2x8	2x16	2x32	2x64	dB
Insertion Loss[1,2]	4.3	7.6	11.2	14.5	18.2	21	dB
Uniformity	0.8	1.0	1.5	2.0	2.5	3.0	dB
PDL	0.2	0.3	0.3	0.4	0.4	0.3	dB
Dimensions(HxWxL) (Bare Fiber & Ribbon Fiber)	4x4x45		4x4x55		4x7x60	4x12x80	mm
Dimensions(HxWxL) (900um Tube)	4x4x55		4x7x60	4x12x80	6x20x80	N/A	mm
Return Loss	50						dB
Directivity	55						dB
Power Handling	300						mW
Working Temperature	-40					85	ºC
Storage Temperature	-40					85	ºC
Fiber type	Corning SMF28						
Connector Type	Custom specified						

1. Measured without connectors at room temperature
2. For devices with connectors, ass 0.3dB to the IL

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www.agiltron.com

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Mechanical Dimensions

Standard Package

With Fanout

Fanout

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

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Prefix		**Wavelength**	**Port**	**Package**	**Fiber Type**	**Fiber Length**	**Input Connector**	**Output Connector**
PLC2-		1310 = 1 1550 = 2 1310/1550 = 3 Special = 0	2x2 = 02 2x4 = 04 2x8 = 08 2x16 = 16 2x32 = 32 2x64 = 64	Standard = 1 Fanout = 2 Special = 0	250um = 1 Ribbon = 2 900um tube = 3 3mm Cable = 4 Special = 0	0.25m = 1 0.5 m = 2 1.0 m = 3 1.5 m = 4 2.0 m = 5 Special = 0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0	None = 1 FC/PC = 2 FC/APC = 3 SC/PC = 4 SC/APC = 5 ST/PC = 6 LC = 7 Special = 0