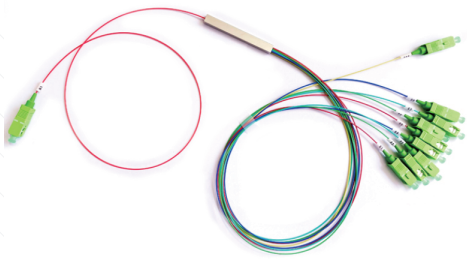
1x9 un-equal mini PLC

Widely used in passive optical networks (such as EPON, GPON, BPON, FTTX, FTTH, etc.), and supports multiple users to share a single PON interface.



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. OPTICO full arrange PLC Splitters feature small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity.

Advantages

- Low insertion loss and high return loss
- PDL automatic screening system （Ultra low PDL is available)
- High reliability and stability
- Connector can up to grade B
- 100% 3D tested by Daisi and Sumix
- High-low temperature cycle test
- 100% tested before delivery
- FTTH Cabling solution could be design

Specification

Parameter		1x3	1x6	1X9 (70%：3.75%)	1x12	1x24
Operating Wavelength(nm)		1260~1650				
Fiber Type		G657A or as customized				
Typical Insertion loss(dB)		6	9.4	2.2/16.3	12	16
Return Loss(dB)		≥55				
Directivity(dB)		≥55				
PDL(Max.)		0.2	0.3	0.3	0.3	0.3
Uniformity(Max.)		0.6	0.8	0.8	1.0	1.5
Wavelength Dependent Loss(dB)		≤0.3				
TDL(Max.)		0.5				
Operating Temperature(℃)		-40~+85				
Storage Temperature(℃)		-40~+85				
Dimensions (mm) (L xWxH)	Bare fiber	50x7x4	50x7x4	60x7x4	55x7x4	55x7x4
	900um fiber	55x7x4	55x7x4	60x7x4	55x7x4	55x7x4
	ABS Box	100x80x10	100x80x10	120x80x18	120x80x18	120x80x18

Note:
1. Specified without connectors
2. Add an additional 0.2dB loss including connectors

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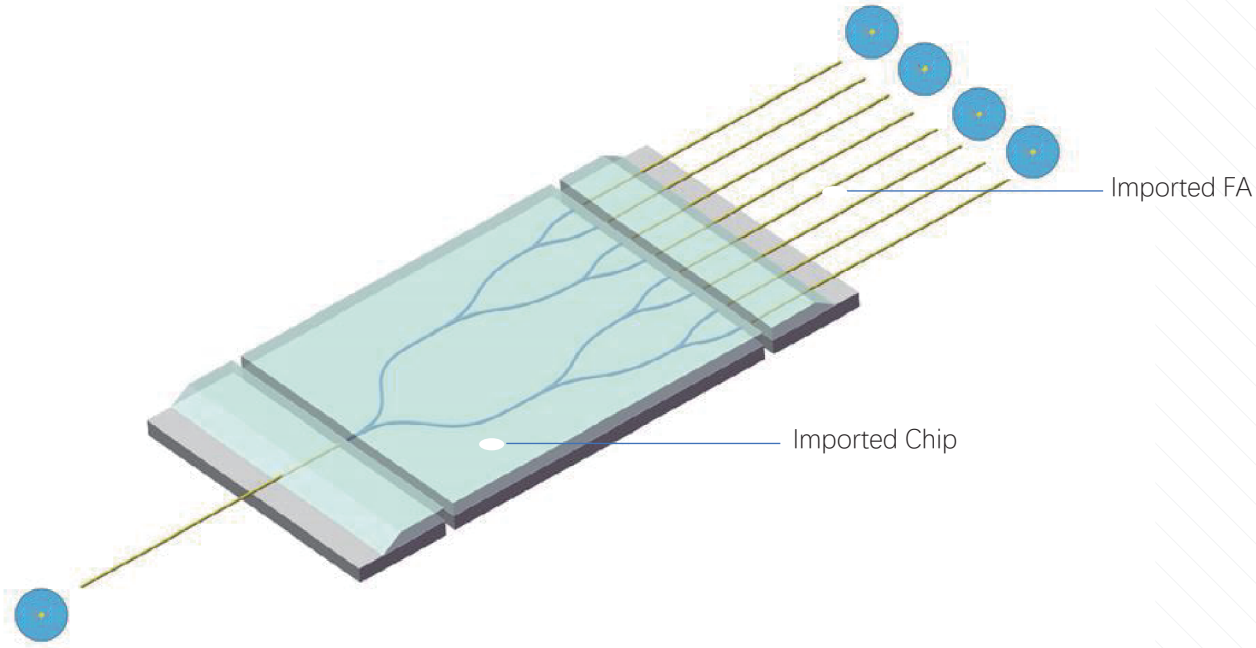
Transmission Drawing(Unit: mm)



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