

# 1xN PLC Splitter

## DESCRIPTION

Browave's 1xN/2xN PLC splitters based on planar lightwave circuit technology and precision aligning process can divide a single optical input into multiple optical outputs uniformly, which offering superior optical performance, high stability and high reliability to meet various application requirements.



## FEATURES

- Low Insertion Loss
- Low PDL
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- High Reliability and Stability
- Telecordia GR-1221/1209 Compliance

## SPECIFICATIONS

Parameter	Unit	Specification				
		1x4	1x8	1x16	1x32	1x64
Ports	-					
Operating Wavelength	nm	1260-1625				
Insertion Loss (at 23 °C)	Typ. dB	7.3	10.6	13.8	17.0	20.0
	Max. dB	7.4	10.8	14.0	17.4	20.4
Channel Uniformity	Max. dB	0.8	1.0	1.3	1.5	1.8
Polarization Dependent Loss	Max. dB	0.2	0.2	0.3	0.3	0.4
Return Loss	Min. dB	55				
Directivity	Min. dB	55				
Operating Temperature		-40-85				
Storage Temperature		-40-85				
Package Dimension (T×W×L)	mm	4x4x40	4x4x40	4x5x45 (4x4x40)	4x7x55	4x12x60

## APPLICATIONS

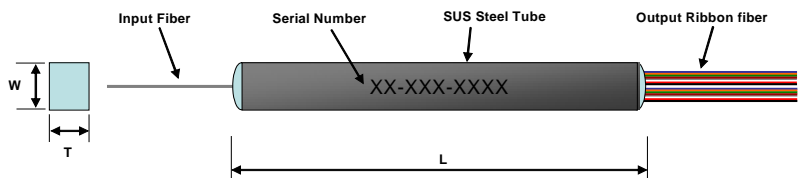
- FTTX Deployments
- PON Networks
- CATV Links
- Optical Signal Distribution

Note: All measurement were done at room temperature without connectors.

## Options

- Output Channel Counts from 4, 8, 16,32 to 64 Available
- Fanout and Connectors Available
- Modulized available
- Premium Spec. Available upon Request

## Dimensions



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# 2xN PLC Splitter

## DESCRIPTION

Browave's 1XN/2XN PLC splitters based on planar lightwave circuit technology and precision aligning process can divide a single optical input into multiple optical outputs uniformly, which offering superior optical performance, high stability and high reliability to meet various application requirements.



## FEATURES

- Low Insertion Loss
- Low PDL
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- High Reliability and Stability
- Telecordia GR-1221/1209 Compliance

## SPECIFICATIONS

Parameter	Unit	Specification			
		2x4	2x8	2x16	2x32
Ports	-	2x4	2x8	2x16	2x32
Operating Wavelength	nm	1260~1625			
Insertion Loss (at 23 °C)	Max. dB	7.9	11.4	14.7	17.9
Channel Uniformity	Max. dB	1.5	1.5	2.0	2.5
Polarization Dependent Loss	Max. dB	0.3	0.3	0.4	0.4
Return Loss	Min. dB	55			
Directivity	Min. dB	55			
Operating Temperature		-40~85			
Storage Temperature		-40~85			
Package Dimension (TxWxL)	mm	4x4x40	4x4x40	4x7x55	4x7x55

## APPLICATIONS

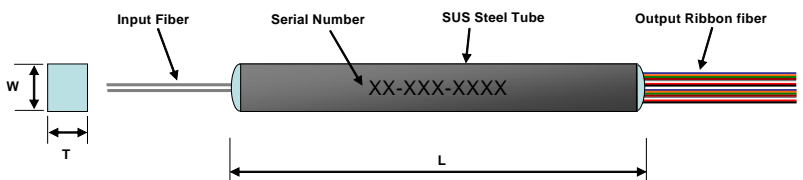
- FTTX Deployments
- PON Networks
- CATV Links
- Optical Signal Distribution

Note: All measurement were done at room temperature without connectors.

## Options

- Output Channel Counts from 4, 8, 16 to 32 Available
- Fanout and Connectors Available
- Modulized available
- Premium Spec. Available upon Request

## Dimensions



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## Ordering Information

PLSC-			-	-		
PLC Splitter Component	Channel Numbers:	Input Fiber Type:	Input Fiber Length:	Output Fiber Type:	Output Fiber Length:	Input Connector Type:
	1: 1x4 2: 1x8 3: 1x16 4: 1x32 5: 1x64 6: 2x4 7: 2x8 8: 2x16 9: 2x32	1: 250um 2: 900um 9: customized	1: 0.5m 2: 1.0m 3: 1.5m 4: 2.0m 9: customized	1: Ribbon 2: Ribbon+fanout+900um 9: customized	Without Fanout: 10: 0.5m ribbon 20: 1.0m ribbon 30: 1.5m ribbon 40: 2.0m ribbon With Fanout: 11: 0.5m ribbon / 0.5m 900um 12: 0.5m ribbon / 1.0m 900um 21: 1.0m ribbon / 0.5m 900um 22: 1.0m ribbon / 1.0m 900um 99: customized	0: None 1: SC/UPC 2: LC/UPC 3: FC/UPC 4: SC/APC 5: LC/APC 6: FC/APC 9: customized
						0: None 1: SC/UPC 2: LC/UPC 3: FC/UPC 4: SC/APC 5: LC/APC 6: FC/APC 9: customized



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