

## PLC Splitter

### Features

- Low excess loss & High performance
- Good uniformity & Low PDL
- Small package size
- Various connector type & Package Size available

### Applications

- Telecommunications networks
- CATV system
- Optical equipment
- Fiber optic sensors
- FTTH & FTTx



Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology. Commport provides a whole series of 1xN and 2xN splitters that are tailored for specific applications. All products meet Telcordia 1209 and 1221 reliability requirements and are certified by TLC for network deployment.

### Specification

Parameters		1X2	1X4	1X8	1X16	1X32	1X64	2X2	2X4	2X8	2X16	2X32
Operating Wavelength(nm)		1260~1650										
Insertion Loss(dB)	Typical	3.6	7.0	10.0	13.3	16.3	20.0	3.7	7.0	10.8	13.6	16.8
	Max(P/S)	3.8/4.0	7.2/7.4	10.5/10.7	13.5/13.7	16.5/16.9	20.5/21.0	3.9/4.2	7.5/7.8	11.2/11.5	14.2/14.5	17.4/17.7
Loss Uniformity(dB)	Typical	0.3	0.4	0.5	0.6	0.8	1.2	0.5	1.0	1.0	1.2	1.5
	Max	0.4	0.6	0.8	1.2	1.5	2.5	0.6	1.2	1.5	1.8	2.0
Return Loss(dB)(P/S)		55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50
PDL(dB)	Typical	0.1	0.1	0.15	0.15	0.15	0.2	0.1	0.1	0.2	0.3	0.3
	Max	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.4	0.4	0.4
Directivity(dB)		Min	55	55	55	55	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Typical	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
	Max	0.3	0.3	0.3	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.8
Temperature Stability (-40~85°C)(dB)	Typical	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
	Max	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5
Operating Temperature(°C)		-40~85										
Storage Temperature(°C)		-40~85										
Packaging Size(mm)	Bare Splitter	40X4X4				50X7X4	60X12X4	50X4X4			60X7X4	
	Blockless Splitter	60X7X4			60X12X5	80X20X6	60X7X4		80X12X5		100X20X6	

Notes:1. All measurements were done at room temperature, and specifications exclude connectors  
2. S:Standard, P:Premium