

Blockless PLC Splitter

Description

Broadex Technologies' Planar Lightwave Circuit (PLC) splitter is a passive optical power management device that uses silica waveguide structures to evenly split an optical signal from 1 or 2 input channels and distribute the split signal to N multiple output channels, commonly described as 1xN or 2xN splitters. products are Telcordia GR-1221-CORE qualified, and RoHS compliant.

The Blockless PLC Splitter package features 900um loose tube fiber protection on the input and output fibers and can be provided with a selection of connectors at fiber termination, making it suitable for use directly in distribution boxes or network cabinets.

Features

- Low insertion loss and PDL
- Excellent channel uniformity
- Compact size
- Wide operating wavelength and temperature range
- High power tolerance
- High reliability and high stability
- Telcordia GR-1221 and GR-1209 qualified



Applications

- Telecom, datacom
- Local Area Networks (LANs)
- Cable TV (CATV)
- Local Convergence points (LCP)
- FTTX
- Test Equipment



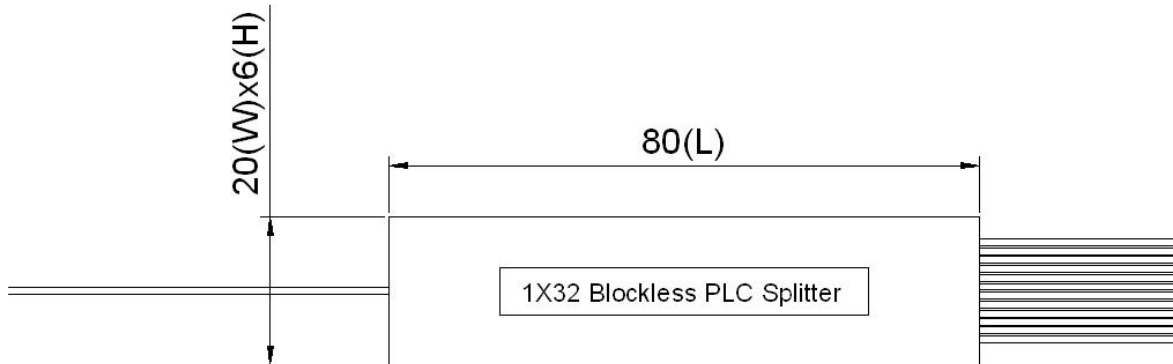
Specifications

Parameters		1x2	1x4	1x8	1x16	1x32	1x64	
Operating Wavelength (nm)		1260-1650						
Insertion Loss (dB)	Typical	4.0	7.3	10.5	13.8	16.8	20.5	
	Max	P	4.3	7.5	11.0	14.0	17.0	21.0
		S	4.5	7.7	11.2	14.2	17.5	21.5
Loss Uniformity (dB)	Typical	0.4	0.4	0.5	0.6	0.8	1.2	
	Max	0.6	0.6	0.8	1.2	1.5	2.5	
Return Loss (dB)(P/S)		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	
	Max	0.2	0.2	0.3	0.3	0.3	0.4	
Directivity (dB)	Min	55	55	55	55	55	55	
Operating Temperature (°C)		-40 to+85						
Storage Temperature (°C)		-40 to +85						
Packaging Size (LxWxH) (mm)		60x7x4		60x12x4		80x20x6	100x40x6	

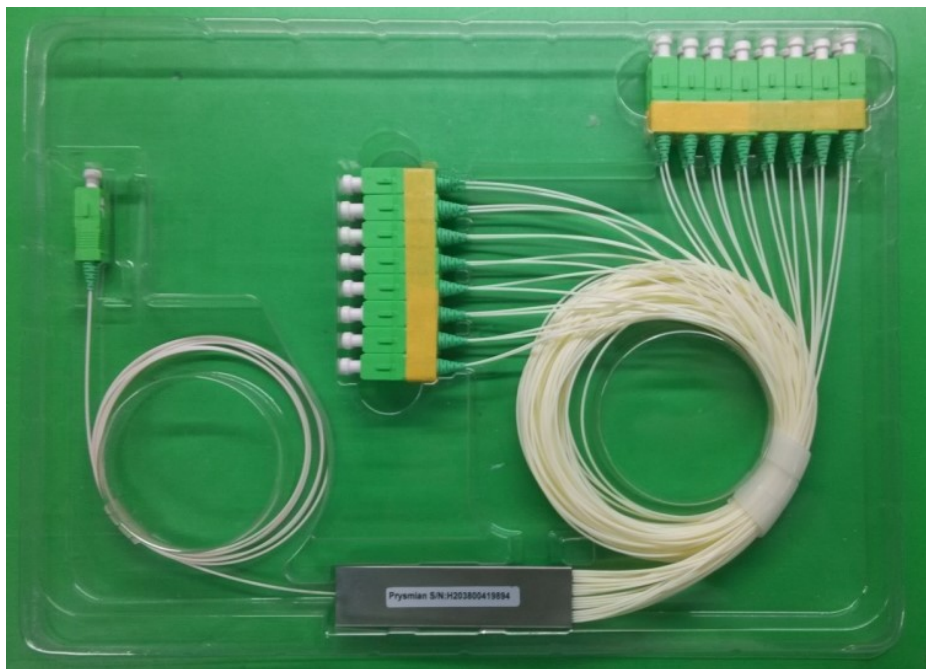
Parameters		2x2	2x4	2x8	2x16	2x32	2x64	
Operating Wavelength (nm)		1260-1650						
Insertion Loss (dB)	Max	P	4.4	8.0	11.7	14.7	17.9	21.5
		S	4.7	8.3	12.0	15.0	18.2	22.0
Loss Uniformity (dB)	Max	1.0	1.2	1.5	1.8	2.0	2.5	
Return Loss (dB)(P/S)	Min	55/50	55/50	55/50	55/50	55/50	55/50	
PDL (dB)	Max	0.2	0.2	0.4	0.4	0.4	0.4	
Directivity (dB)	Min	55	55	55	55	55	55	
Operating Temperature (°C)		-40 to+85						
Storage Temperature (°C)		-40 to +85						
Packaging Size (LxWxH) (mm)		60x7x4		80x12x4		80x20x6	100x40x6	

Notes: 1. All measurements were done at room temperature, and specifications include connectors.
2. S: standard, P: premium

Mechanical drawing:



Packaging:



Ordering Information:

BPSS	-XXX	-X	-XX	-X	-XX	-X	-X
B=Broadex	Input & Output Count	Input Tube Type B=250µm Bare Fiber L=900µm Loose Tube T=900µm Tight Buffer	Input Fiber Length 12=1.2m 15=1.5m XX=Customized	Output Tube Type B=250µm Bare Fiber L=900µm Loose Tube	Output Fiber Length 12=1.2m 15=1.5m XX=Customized	Input Connector Type 0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC 6=LC/APC X=Customized	Output Connector Type 0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC 6=LC/APC X=Customized

Contact Us
International Sales

Email: Sales@broadex-tech.co.uk

Tel: +44-1506-426021

Mobile: +44-7968-854124

China Sales

Tel: +86-573-82585881

Email: Sales@broadex-tech.com

Copyright © 2020 Broadex Technologies. All rights reserved