

PLC Splitter Rackmount

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.



Broadex Technologies offers a wide variety of splitter products with Rackmount box packaging including adapters which allow for quick and convenient integration into distribution boxes, data integration cabinets and more. A custom design and manufacturing service is available to maximise ease of integration.

Specifications

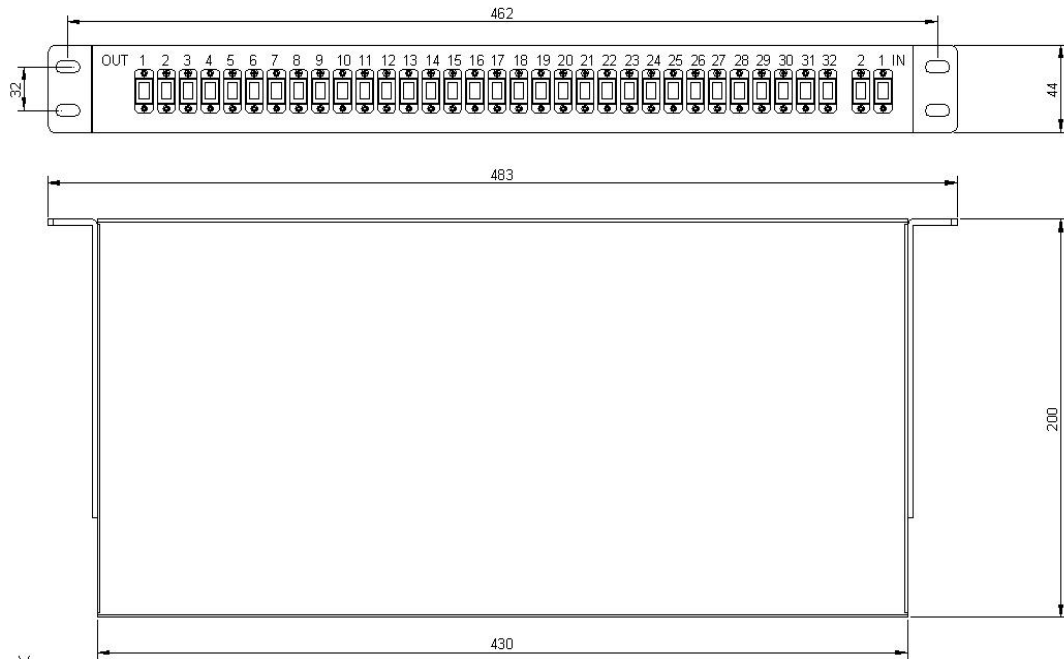
Parameters		1x2	1x4	1x8	1x16	1x32	1x64	
Operating Wavelength (nm)		1260-1650						
Insertion Loss (dB)	Typical	4.0	7.3	10.5	13.8	16.8	20.5	
	Max	P	4.3	7.5	11.0	14.0	17.0	21.0
		S	4.5	7.7	11.2	14.2	17.5	21.5
Loss Uniformity (dB)	Typical	0.4	0.4	0.5	0.6	0.8	1.2	
	Max	0.6	0.6	0.8	1.2	1.5	2.5	
Return Loss (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

BPSB	-XXX	-XX	-X	-X
B=Broadex	Input & Output Count	BOX Type	Input Connector Type	Output Connector Type
P=PLC	104=1x4	01=1U Rack	0=None	0=None
S=Splitter	108=1x8	02=2U Rack	1=FC/UPC	1=FC/UPC
B=Box	03=3U Rack	2=FC/APC	2=FC/APC
	164=1x64	04=LGX	3=SC/UPC	3=SC/UPC
	204=2x4	05=ODF	4=SC/APC	4=SC/APC
	XX= Customized	5=LC/UPC	5=LC/UPC
	264=2x64		6=LC/APC	6=LC/APC
			X=Customized	X=Customized

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