

WSP 1.2GHz series



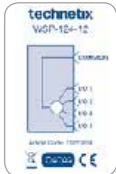
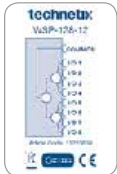


Overview

The OCTOS range of Technetix provides a wide variety of splitters, combiners and control units designed for tidiness and efficiency. This document focusses on the new 1.2GHz range of the Wideband splitter range.

OCTOS modules fit neatly into a selection of our chassis. Swapping OCTOS modules in or out of your headend is simple and quick, helping you to stay on top of changing requirements. With the 1.2GHz modules upgrading your headend to 1.2GHz will be easy.


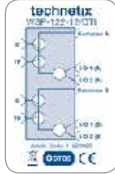
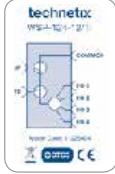

RF and electrical specifications

Model		WSP-122-12/D	WSP-124-12	WSP-128-12	Value	Remark	
							
Insertion Loss	Common to I/O	5 - 1250 MHz	5	10	15	dB	
Flatness	All ports	5 - 862 MHz	± 0,5	± 0,5	± 0,5	dB	
		862 - 1220 MHz	± 0,75	± 0,75	± 0,75	dB	
		1220-1250	±1	±1	±1	dB	
Isolation		5 - 10 MHz	30	25	25	dB	
		10 - 600 MHz	30	30	30	dB	
		600 - 1250 MHz	25	25	25	dB	
Return loss	All ports	5 - 1250 MHz	20,0	20,0	20,0	dB	1

Remark: Max values specified

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RF and electrical specifications

Model		WSP-122-12/DTI	WSP-124-12/TI	WSP-128-12/TI	Value	Remark
						
Insertion Loss	Common to I/O	5 - 1250 MHz	7,3	12	17,5	dB
Flatness	All ports	5 - 1220 MHz	± 0,5	± 0,5	± 0,5	dB
		1220 - 1250 MHz	± 0,75	± 0,75	± 0,75	dB
Isolation		5 - 10 MHz	25	25	25	dB
		10 - 600 MHz	30	30	30	dB
		600 - 1250 MHz	25	25	25	dB
Return loss	All ports	5 - 1250 MHz	20,0	20,0	20,0	dB
						1

Mechanical and other specifications

Description		Min	Type	Max	Units	Remark
Frequency Range	5 - 1250MHz					
Connectors	Common		Back panel			2
	I/O		Back panel			2
	Test point		Back panel			2
	Insertion point		Front panel			
	Power		Back panel			
Temperature range		Operational		+55	°C	
		Storage		-20	+85	°C
Humidity	Non condensing	5		95	%	
Vibration test						EN 60068 § 2-6 2008
EMC	5 MHz < F < 300 MHz		85		dB	3
	300 MHz < F < 470 MHz		80		dB	3
	470 MHz < F < 950 MHz		75		dB	3
	950 MHz < F > 1250 MHz		55		dB	3
Intermodulation		95	100		dB	4
Marking						CE / RoSH compliant
Dimensions	2-way, 4-way		H x W x D			3 x 3,5TE x 70 mm
	8-way		H x W x D			3 x 7TE x 70 mm HE = RU

Remark

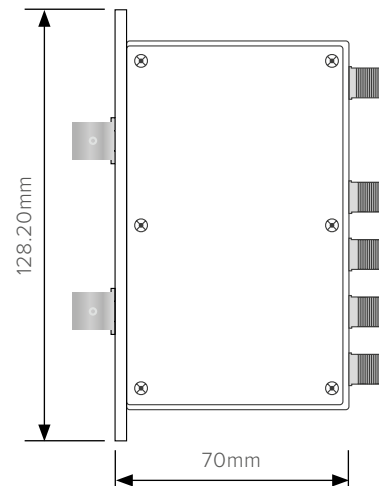
- At F = 40 MHz F > 40 MHz -1,5 dB/octave
- F connectors according to IEC 169-24 except inner contact = 1.1 mm Spacing: F connectors 17 mm
- According IEC 60728-2 § 4.4. (30 – 250MHz) IEC 60728-2 (5 - 30MHz) Unit is RoSH compliant
- Intermod statement 120 dB NV 60 + 65

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General info:

Physical dimensions OCTOS housings

For the 2-way and 4-way the width of the units are 3.5TE (24pcs in a 19" rack) and for the 8-way the unit is 7TE (12pcs in a 19" rack) or any other combination.



Reversed mounting

By simply removing two screws, the mounting lugs on all units can be relocated onto the back of the modules. This allows you to cable the unit from either the front or the back, which is extremely useful if space is tight, continuous access is required or your configuration dictates which side the cables should exit.



Ordering information:

11223601 WSP-122-12/D
11223604 WSP-124-12
11223608 WSP-128-12
11223616 WSP-224-12
11223800 WSP-122-12/D10
11223804 WSP-124-14/T1
11223808 WSP-128-12/T1
11223816 WSP-224-12/T1

Other products used with this product are:

11101071 MRO-70/R-B Mounting Rack
11224613 WTP-122-12/D10
11208006 WFT-121-6 Feed through
11223200 WSA-20 Step attenuator 0-20dB

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