

WSP 1.2GHz series


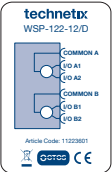
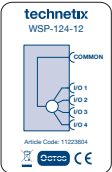
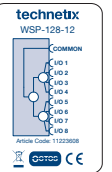


Overview

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.


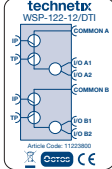
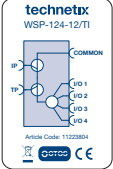
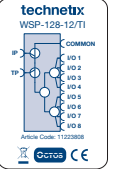
RF and electrical specifications

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 862 - 1220 MHz 1220-1250 MHz	± 0,5 ± 0,75 ±1	± 0,5 ± 0,75 ±1	± 0,5 ± 0,75 ±1	dB dB dB
Isolation	All ports	5 - 862 MHz 862 - 1220 MHz 1220-1250 MHz	28 23 23	28 23 23	28 23 23	dB dB dB	
Return loss	All ports	5 - 1250 MHz 40 - 1250 MHz	20 20	20 20	20 20	dB dB	1 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	7.2	11.8	17,5	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 MHz	± 1	± 1	± 1	dB	
Isolation		5 - 862 MHz	28	28	28	dB	
		862 - 1220 MHz	23	23	23	dB	
		1220 - 1250 MHz	23	23	23	dB	
Return loss	All ports	5 - 1250 MHz	20	20	20	dB	1
		40 - 1250 MHz	20	20	20	dB	1

Mechanical and other specifications

Description		Min	Typical	Max	Units	Remark
Frequency Range	5 - 1250MHz					
Connectors	Common	Back panel	F Female			2
	I/O	Back panel	F Female			2
	Test point	Back panel	F Female			2
	Insertion point	Front panel	F Female			
Temperature range		Operational	10	+55	°C	
		Storage	-20	+85	°C	
Humidity	Non condensing	5		95	%	
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		105	110		dB	4
Marking				CE / RoSH compliant		
Dimensions	2-way, 4-way	H x W x D		3RU x 3,5TE x 70 mm		
	8-way	H x W x D		3RU x 7TE x 70 mm HE = RU		

Remark

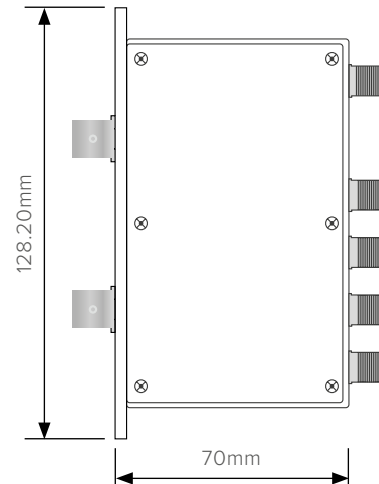
- At F = 40 MHz F > 40 MHz -1,5 dB/octave
- F connectors according to IEC 61169-24 except inner contact = 1.1 mm Spacing: F connectors 17 mm
- According IEC 60728-2 § 4.4. (30 – 250MHz) IEC 60728-2 (5 - 30MHz) Unit is RoSH compliant
- Intermod statement 120 dB NV 60 + 65

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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
11223800 WSP-122-12/D10
11223804 WSP-124-14/T1
11223808 WSP-128-12/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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