

WSP-122/TTI-DC 2-way splitter

- Frequency range 5 MHz to 1006 MHz
- Three test / insertion points
- Cassette width 3.5 TE
- Complies with EN Class A screening requirements
- Complies with RoHS directive



Overview

The WSP-122/TTI-DC is a passive wideband splitter which combines two inputs/outputs into one common port. There are two 20 dB test insertion points (TIP's) at the common port on the front panel and a 16 dB TIP at input/output port on the back panel.

The die-cast WSP-122/TTI-DC unit is supplied with F connectors for the RF ports and BNC connectors for the test and insertion point at the common port. The insertion point at the input/output port is supplied with an F connector.

As the width of the unit is 3.5 TE, 24 can be fitted into a standard 19 inch rack.

EN Class A screening

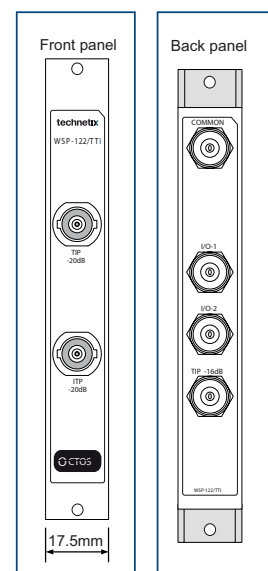
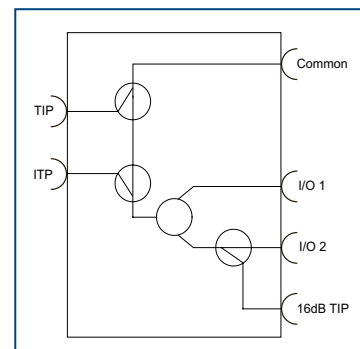
- The shielding performance of the WSP-122/TTI-DC meets Class A requirements (EN 50083-2 2006) over the whole frequency range from 5 MHz to 1006 MHz.

Octos passive modules

WSP-122/TTI-DC 2-way splitter

Specifications

		Frequency MHz	Min	Max	Typ
Frequency range		5 - 1006			
Insertion loss					
I/O 1 to Common		5 - 862		5.0 dB	
		862 - 1006		6.0 dB	
I/O 2 to Common		5 - 862		6.0 dB	
		862 - 1006		7.0 dB	
TIP / ITP front	wrt common	5 - 862	19.5 dB	20.5 dB	
		862 - 1006	19.0 dB	21.0 dB	
TIP back	wrt common	5 - 862	15.5 dB	16.5 dB	
		862 - 1006	15.0 dB	17.0 dB	
Return loss¹					
All ports		10 - 40	20 dB		
		40 - 1006	20 dB		
Flatness (all ports)					
		5 - 862		±0.5 dB	
		862 - 1006		±1 dB	
Intermodulation⁴					
		5 - 1006	105 dBc		
Isolation					
I/O 1 to I/O 2 and		10 - 600	30 dB		
TIP (16dB) to I/O 1 - I/O 2		600 - 1006	25 dB		
Connectors²					
Common	Back panel F female				
I/O	Back panel F female				
Test point	Front panel BNC female				
	Back panel F female				
Insertion point	Front panel BNC female				
Temperature range (operational)			-10°C	+55°C	
Humidity (non-condensing)			5%	95%	
Screening efficiency³					
		5 - 300	85 dB		
		300 - 470	80 dB		
		470 - 950	75 dB		
		950 - 1006	55 dB		
Vibration test	EN 60068 2 - 6 2008				
Impedance of RF ports					75 Ohm



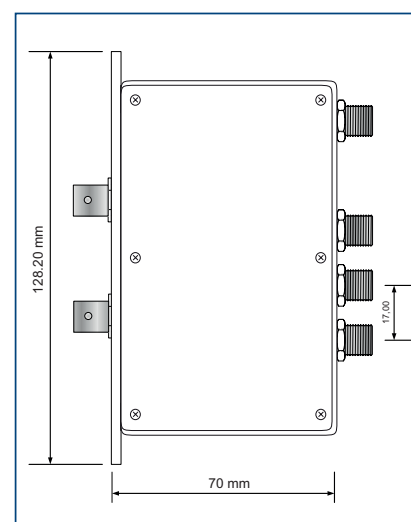
Remarks

- Where frequency is above 40 MHz, deduct 1.5 dB/Octave
- F connectors according to IEC 169-24 except inner contact = 1.1 mm
Spacing: F connectors 17 mm, BNC 34 mm
Plating: F connectors NiSn, BNC connectors Ni
- 5 MHz - 30 MHz according to EN 50083-2 2006, section 4.3.3.1 coupling unit method
30 MHz - 950 MHz according to EN 50083-2 2006, section 4.3.3.2 absorbing clamp method
950 MHz - 1006 MHz according to EN 50083-2 2006, section 4.3.3.3 substitution method
- Measured at output (according to IEC EN 60728-4, section 4.8) two carriers (60 & 65 MHz), out to out @ 120 dBuV/60 dBmV, after a 25 V/500 µs pulse on all ports

Ordering information

WSP-122/TTI Article number: 11219801

MRO-70 (19" mounting rack) Article number: 11101070



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June/2011 - Version 1.0

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