

WSP-124-DC 4-way splitter

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



Overview

The WSP-124-DC is a passive wideband splitter which combines four inputs/outputs into one common port. The die-cast unit is supplied with F connectors for the RF ports. As the width of the unit is 3.5 TE, 24 can be fitted into a standard 19 inch rack.

EN Class A screening

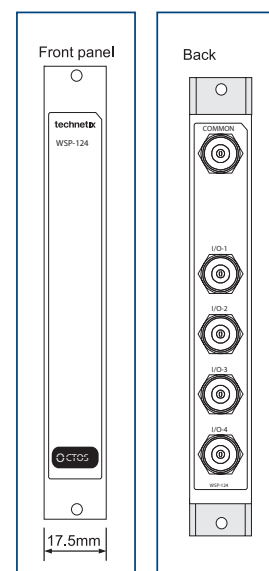
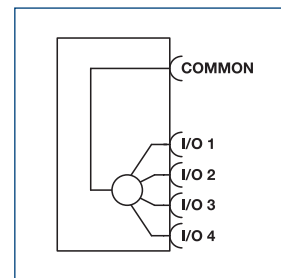
- The shielding performance of the WSP-124-DC meets Class A requirements (EN 50083-2 2006) over the whole frequency range from 5 MHz to 1006 MHz.

Octos passive modules

WSP-124-DC 4-way splitter

Specifications

		Frequency MHz	Min	Max	Typ
Frequency range		5 - 1006			
Insertion loss I/O 1-4 to common		5 - 862 862 - 1006		8.0 dB 9.0 dB	
Return loss ¹ All ports		5 - 40 40 - 1006	20 dB 20 dB		
Flatness (all ports)		5 - 862 862 - 1006		±0.5 dB ±1 dB	
Intermodulation ⁴		5 - 1006	105 dBc		
Isolation I/O to I/O		5 - 600 601 - 1006	30 dB 25 dB		
Connectors ² Common I/O	Back panel F female Back panel F female				
Temperature range (operational)			-10°C	+55°C	
Humidity (non-condensing)			5%	95%	
Screening efficiency ³		5 - 300 300 - 470 470 - 950 950 - 1006	85 dB 80 dB 75 dB 55 dB		
Vibration test	EN 60068 2 - 6 2008				
Impedance of RF ports					75 Ohm



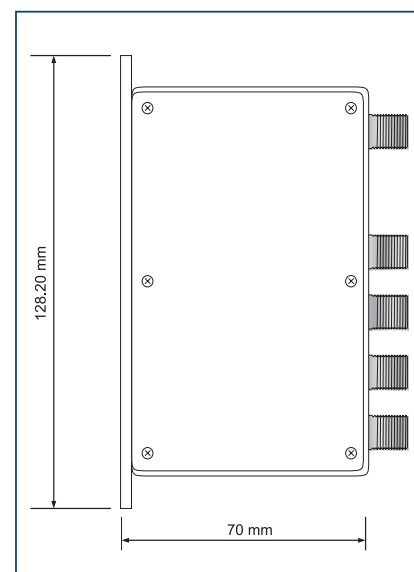
Remarks

- Where frequency is above 40 MHz, deduct 1.5 dB/Octave
- F connectors according to IEC 60169-24 accepts diameters <1.1 mm
Spacing: F connectors 17 mm
Plating: F Connectors NiSn
- 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 dBμV/60 dBmV, after a 25 V/500 μs pulse on all ports

Ordering information

WSP-124-DC Article number: 11213604

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



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e: sales@technetix.com w: www.technetix.com