

Power Divider / Combiner

70-1000MHz

Broadband 2, 3 and 4-Way Wilkinson & N-Way Cascaded Power Divider / Combiners

SP0710-51xx-11 Series



RFI Power Dividers / Combiners are used in a variety of RF power dividing and combining applications. Designed using Wilkinson or N-way styled cascaded broadband binary power splitting or combining techniques offering broadband capability with good splitter output / combiner input, port-to-port isolation. Manufactured using a robust low profiled solid milled aluminium housing these products are ideal for use in coaxial cable networks and multicoupling applications.

Features:

- Broadband covering 70 to 1000MHz.
- Suitable for use with analogue or digital RF communications.
- Compact, robust and modular in design for indoor use.
- 100W continuous input power rating when used as a power divider.
- 10W continuous input power rating per port when used as a combiner.
- Two, three and four way divide / combine options.



2-WAY



3-WAY



4-WAY

Model Number		SP0710-51-51xx-11		
Frequency Range	70-1000MHz			
Model Number Derivative - SP0710-51xx-11	02	03	04	
Splits	2	3	4	
Insertion loss - Typical	<3.3dB	<5.1dB	<6.5dB	
Port-to-port isolation	> 15dB			
Power Rating as Combiner (per port)	10W			
Power rating as Splitter (input port)	100W			
Impedance	50 Ohms			
Input Port Return Loss / VSWR - Typical	15dB / 1.43:1			
Connector Types (all termination ports)	N (F)			
Mounting	4 x 3.8mm diameter non-threaded holes through unit body			
Finish	Black - Painted			
Dimensions (excl connectors) mm - approx	L 185mm W 128mm H 22mm	L 265mm W 125mm H 22mm	L 300mm W 124mm H 25mm	
Dimensions (excl connectors) inches - approx	L 7.28" W 5.03" H 0.86"	L 10.43" W 4.9" H 0.86"	L 11.8" W 4.88" H 1"	
Weight - approx	0.85kgs / 1.87lbs	1.2kgs / 2.64lbs	1.56kgs / 3.43lbs	
Temperature	-30° C to +70° C / -22° F to +158° F			

Ordering Information	Description
SP0710-5102-11	Power Divider / Combiner 70-1000MHz, 2-Way N (F) Connectors
SP0710-5103-11	Power Divider / Combiner 70-1000MHz, 3-Way N (F) Connectors
SP0710-5104-11	Power Divider / Combiner 70-1000MHz, 4-Way N (F) Connectors