

Splitter / Combiner

5.8GHz

2, 3 and 4-Way Wilkinson Splitter / Combiner

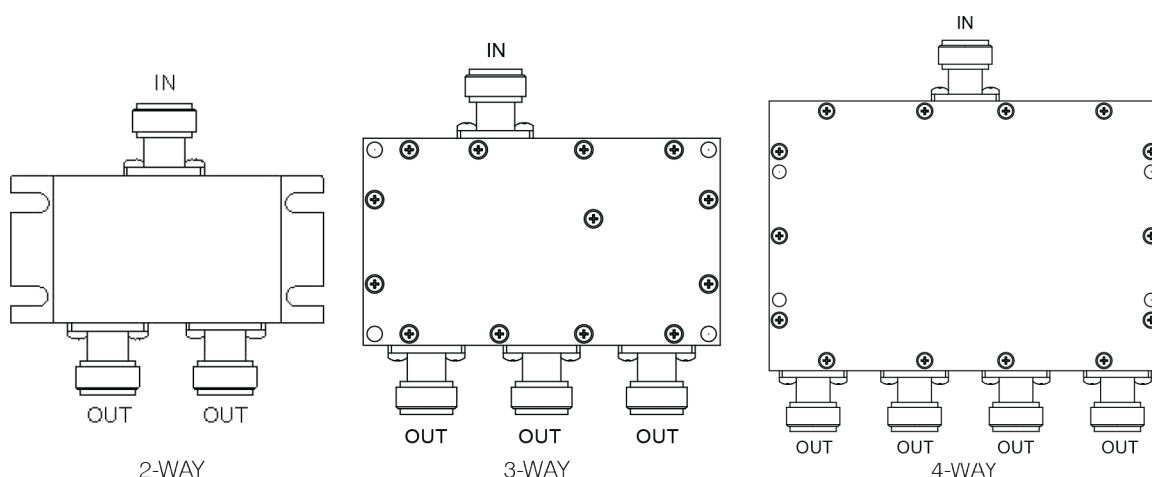
SP5800-53xx-11 Series



RFI's Splitter / Combiner products are used in a variety of RF power splitting and combining applications. Typically used in Multicoupling applications and DAS (Distributed Antenna Systems) for distributing power through feeder cable networks. RFI provide 2, 3 and 4 Way Splitter / Combiner options in the most popular frequency bands where input/output port to port isolation is important as a design consideration.

Features:

- Compact, robust and modular in design.
- For use in indoor environments.
- Two, three and four way Splitter / Combiner options.
- Termination connector options available on request.



Specifications

Model Number	SP5800-53xx-11		
Frequency Range	5700-5800MHz		
Model Number Derivative - SP5800-53xx-11	02	03	04
Splits	2	3	4
Insertion loss - Typical (input to any output port)	<3.8dB	<5.5dB	<7.2dB
Port-to-port isolation	> 18dB		
Power Rating as Combiner (per port)	10W		
Power rating as Splitter (input port)	50W		
Impedance	50 Ohms		
Input Port Return Loss / VSWR - Typical	18dB / 1.3:1		
Connector Types (all termination ports)	N (F)		
Mounting	4 x 3.8mm OD non-threaded holes through unit body		
Finish	Black - Painted		
Dimensions (excl connectors) mm - approx	L 38mm W 80mm H 23mm	L 54mm W 93mm H 22mm	L 80mm W 116mm H 22mm
Dimensions (excl connectors) inches - approx	L 1.5" W 3.14" H 0.9"	L 2.12" W 3.36" H 0.9"	L 3.15" W 4.56" H 0.9"
Weight - approx	0.15kgs / 0.33lbs	0.29kgs / 0.634lbs	0.15kgs / 0.33lbs
Temperature Range	-30° C to +70° C / -22° F to +158° F		

Ordering information	
SP5800-5302-11	Splitter / Combiner 5700-5800MHz, 2-Way N (F) Connectors
SP5800-5303-11	Splitter / Combiner 5700-5800MHz, 3-Way N (F) Connectors
SP5800-5304-11	Splitter / Combiner 5700-5800MHz, 4-Way N (F) Connectors