

Splitter/Combiner

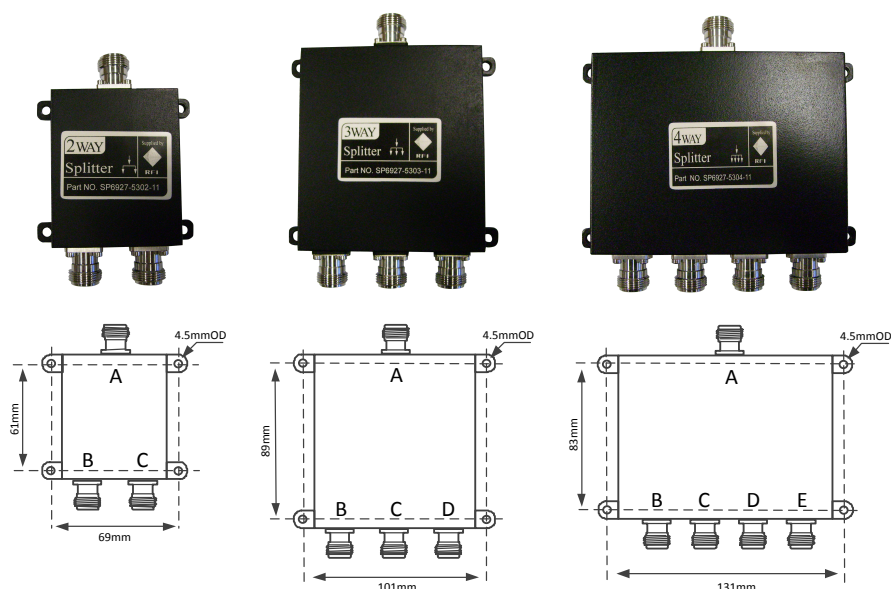
Wilkinson
698-2700MHz
SP6927-530x-11 Series



RFI 2, 3 and 4 Way splitter/combiners are used in a variety of RF combining, sampling and power splitting applications. Designed to split RF source power into equal power outputs in 2, 3 or 4 port options and or combine inputs to a single output with good port to port isolation. These products are typically used in transmitter combiners and receiver distribution networks and extensively in DAS (Distributed Antenna Systems) for distributing equal power in feeder cable networks. Compact and easy to install the splitters/combiners are very broad band suitable for multi-carrier systems in indoor or outdoor environments.

Features:

- Broadband 698-2700MHz covering multi-cellular bands.
- Manufactured to a low PIM < -140dBc (3rd Order 2x43dBm carriers) rating.
- Used for equal power splitting or combining applications.
- Suitable for use with simplex and duplex channels, analogue or digital communications.
- Easy to install using provided mounting tabs.
- Suitable for use in multi-carrier systems.
- IP 65 Rated



Specifications

Model Number	SP6927-5302-11	SP6927-5303-11	SP6927-5304-11
Model Number	SP6927-5302-11	SP6927-5303-11	SP6927-5304-11
Split	2-Way	3-Way	4-Way
Insertion Loss (typical)	3.3dB	5.3dB	6.6dB
Frequency Range	698-2700MHz		
Power Rating - All Ports	50W		
Isolation between ports B, C, D and E (typical)	20dB (min ≥ 17dB)		
Impedance	50 Ohms		
Input Return Loss / VSWR (typical - all ports).	18dB / 1.30:1		
PIM (3rd Order 2x43dBm)	> - 140dBc		
Connector Type (all ports)	N (F)		
IP Rating	IP65		
Finish	Black - Painted		
Mounting	4 x 4.5mm ØD holes in mounting tabs		
Dimensions HxWxL mm/inches (excl connectors)	22x59x71/0.9x2.3x2.8"	22x91x99/0.9x3.5x3.9"	22x121x93/0.9x4.7x3.6"
Weight	0.25kgs / 0.55lbs	0.5kgs / 1.1lbs	0.6kgs / 1.32lbs
Operational Temperature Range	-30° C to +60° C / -22° F to 140° F		

Ordering Information

Model Number	Description
SP6927-5302-11	Splitter/Combiner 2-Way 698-2700MHz, N (F)
SP6927-5303-11	Splitter/Combiner 3-Way 698-2700MHz, N (F)
SP6927-5304-11	Splitter/Combiner 4-Way 698-2700MHz, N (F)