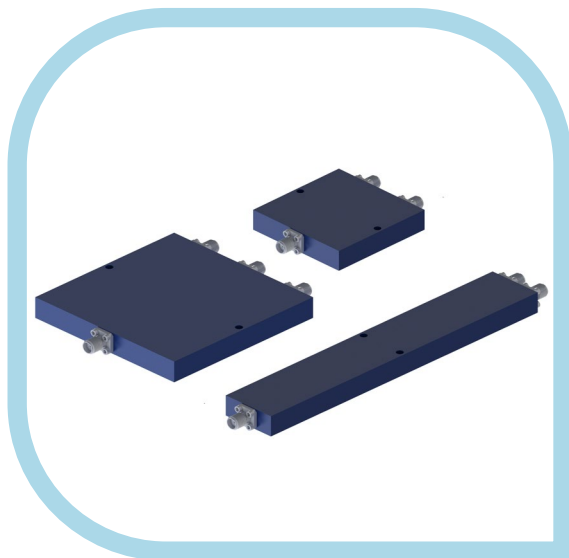




Coaxial Power Dividers

Robust and Comprehensive Microwave Solution

Synergy's new range of Power Dividers is dedicated for defense and instrumentation applications and ideal for integration into systems requiring RF power division. This new offer combines mechanical robustness and high electrical performance up to 26.5 GHz.



Synergy's new offer of coaxial power dividers is perfectly suited for integration in systems that require power division or combination of radio frequency signals.

Designed for military systems like airborne/ground radar and instrumentation equipments (rf bench test), this new range of products offers high RF performance in term of VSWR, maximum power and admissible phase. The range is also MIL STD202 compliant and robust in order to provide reliable environmental performance.

This offer provides a full range of power dividers that includes:

- 220 MHz to 26.5 GHz frequency available
- Octave band & wide band
- 2/3/4/6/8 ways
- SMA female connectors
- Possibility to use as power combiner (Wilkinson design)
- Customization available on demand

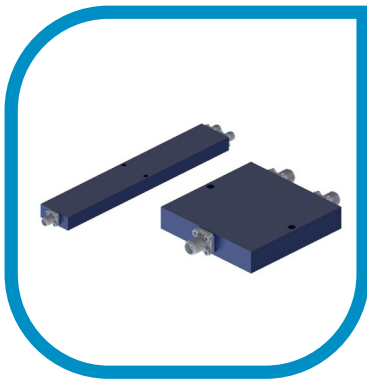
The coaxial divider range is part of Radiall's global Test & Measurement offer which includes high performance switches, Test Pro cable assemblies,



Synergy's comprehensive offer of coaxial power dividers is designed for microwave equipment in test & measurement and military applications. This solution provides high RF performance and excellent environmental performance, with MILSTD202G compliance.

Robust and Comprehensive Microwave Solution

Non-Exhaustive List of Commercial Part Numbers	Part Number	Number of Ways	Freq min (GHz)	Freq max (GHz)	Max Input Power (W CW)	VSWR (max.)	Phase (deg max)	Connector (I/O)
	ST434112001	2	0.225	0.4	30	1.25	2	SMA f / SMA f
	ST434112002	2	0.47	0.86	30	1.3	2	SMA f / SMA f
	ST434212000	2	1	2	30	1.3	2	SMA f / SMA f
	ST434512006	2	1	3	30	1.3	2	SMA f / SMA f
	ST434312001	2	2	4.2	30	1.3	2	SMA f / SMA f
	ST434612001	2	2	8	30	1.4	4	SMA f / SMA f
	ST434712002	2	1	18	30	1.6	8	SMA f / SMA f
	ST434712001	2	2	18	30	1.4	5	SMA f / SMA f
	ST434712003	2	6	18	30	1.6	4	SMA f / SMA f
	ST434812001	2	2	26.5	10	1.6	6	SMA f / SMA f
	ST434812002	2	4	26.5	10	1.6	6	SMA f / SMA f
	ST434114002	4	0.225	0.4	30	1.3	4	SMA f / SMA f
	ST434114003	4	0.47	0.86	30	1.4	4	SMA f / SMA f
	ST434214000	4	1	2	30	1.4	5	SMA f / SMA f
ST434614001	4	2	8	30	1.5	6	SMA f / SMA f	
ST434714003	4	6	18	30	1.5	6	SMA f / SMA f	



Features & Benefits

- Comprehensive offer from 0.22 GHz to 26.5 GHz
- 2/3/4/6/8 ways division available
- Octave band and Wide band available as standard part numbers
- High RF performance products with robust design, compliant with MILSTD202G
- Wilkinson design: can be also used as power combiner

Applications

- Commutation matrices
- Microwave bench tests
- Military ground radar
- Embedded airborne radars