

## Coax Directional Couplers – Octave Band – SMA

Single directional couplers are listed below, however, dual directional couplers are available upon request. Other connector types and other coupling values are also available.

Frequency Range (GHz)	Coupling (-dB)	VSWR Mainline (Max)	Insertion Loss (true) (dB)	Reflected Power (Watts)	Coupling Accuracy (dB)	Frequency sensitivity (dB)	Directivity (min) (dB)	Part Number Base	SMA Part Number Extension	Outline Drawing
0.50 - 1.00	10	1.15	0.80	5	±1.25	±0.75	25	685-050100	-010	CC13
	20	1.15	0.20	50	±1.25	±0.75	25		-020	
	30	1.20	0.20	50	±1.25	±0.75	25		-030	
1.00 - 2.00	10	1.10	0.90	5	±1.25	±0.75	25	685-100200	-010	CC14
	20	1.10	0.20	50	±1.25	±0.75	25		-020	
	30	1.10	0.20	50	±1.25	±0.75	25		-030	
2.00 - 4.00	10	1.15	0.70	5	±1.25	±0.75	22	685-200400	-010	CC16
	20	1.15	0.20	50	±1.25	±0.75	22		-020	
	30	1.15	0.20	50	±1.25	±0.75	22		-030	
2.60 - 5.20	10	1.25	0.80	5	±1.25	±0.75	20	685-260520	-010	CC20
	20	1.25	0.25	50	±1.25	±0.75	20		-020	
	30	1.25	0.25	50	±1.25	±0.75	20		-030	
4.00 - 8.00	10	1.30	1.00	5	±1.25	±0.75	20	685-400800	-010	CC20
	20	1.25	0.30	50	±1.25	±0.75	20		-020	
	30	1.25	0.25	50	±1.25	±0.75	20		-030	
7.00 - 12.40	10	1.35	1.00	5	±1.25	±0.50	17	685-700124	-010	CC20
	20	1.35	0.30	50	±1.00	±0.50	17		-020	
	30	1.35	0.30	50	±1.00	±0.50	17		-030	
12.40 - 18.00	10	1.35	1.10	5	±1.00	±0.50	15	685-124180	-010	CC20
	20	1.30	0.55	50	±1.00	±0.50	15		-020	
	30	1.30	0.55	50	±1.00	±0.50	15		-030	
18.00 - 26.50	10	1.60	1.50	5	±1.20	±0.70	11	685-180265	-010	CC21
	20	1.60	0.80	50	±1.20	±0.70	11		-020	
	30	1.60	0.80	50	±1.20	±0.70	11		-030	