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The most important thing we build is trust

Description

Cobham provides miniature stripline couplers. Series CA are available in 6dB, 10dB, 20dB, and 30dB coupling values. These units feature high directivity and low VSWR and are conservatively rated to ensure the most reliable service and performance. The directional couplers on this page are unequalled in terms of size and performance. The volume of these couplers makes them ideally suited for applications involving high density packaging.



Frequency Range (GHz)	Part Number	Coupling Value (dB)	Frequency Flatness (dB)	Directivity (Min) (dB)	Input/Output VSWR (Max) (Ratio)	Loss Above Coupling (dB)	Peak Power (kW)	Avg. Power (Watts)
0.5 - 1.0	CA-511	10	±0.75	20	1.2	0.15	3	50
0.5 - 1.0	CA-512	20	±0.75	20	1.2	0.15	3	50
0.5 - 1.0	CA-513	30	±0.75	20	1.2	0.15	3	50
0.5 - 1.0	CA-516	6	±0.75	20	1.2	0.15	3	50
0.5 - 2.0	CA-521	10	±0.75	20	1.2	0.20	3	50
0.5 - 2.0	CA-522	20	±0.75	20	1.2	0.20	3	50
0.5 - 2.0	CA-523	30	±0.75	20	1.2	0.20	3	50
0.5 - 2.0	CA-526	6	±0.75	20	1.2	0.20	3	50
1.0 - 2.0	CA-591	10	±0.75	20	1.2	0.20	3	50
1.0 - 2.0	CA-592	20	±0.75	20	1.2	0.20	3	50
1.0 - 2.0	CA-593	30	±0.75	20	1.2	0.20	3	50
1.0 - 2.0	CA-596	6	±0.75	20	1.2	0.20	3	50
2.0 - 4.0	CA-671	10	±0.75	20	1.25	0.20	3	40
2.0 - 4.0	CA-672	20	±0.75	20	1.25	0.20	3	40
2.0 - 4.0	CA-673	30	±0.75	20	1.25	0.20	3	40
2.0 - 4.0	CA-676	6	±0.75	20	1.25	0.20	3	40
2.0 - 8.0	CA-691	10	±0.75	17	1.3	0.30	2	20
2.0 - 8.0	CA-692	20	±0.75	17	1.3	0.30	2	20
2.0 - 8.0	CA-693	30	±0.75	17	1.3	0.30	2	20
2.0 - 8.0	CA-696	6	±0.75	17	1.3	0.30	2	20
4.0 - 8.0	CA-751	10	±0.75	18	1.25	0.30	3	40
4.0 - 8.0	CA-752	20	±0.75	18	1.25	0.30	3	40
4.0 - 8.0	CA-753	30	±0.75	18	1.25	0.30	3	40
4.0 - 8.0	CA-756	6	±0.75	18	1.25	0.30	3	40

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Frequency Range (GHz)	Part Number	Coupling Value (dB)	Frequency Flatness (dB)	Directivity (Min) (dB)	Input/Output VSWR (Max) (Ratio)	Loss Above Coupling (dB)	Peak Power (kW)	Avg. Power (Watts)
6.0 - 18.0	CA-771	10	±0.75	14	1.45	0.55	2	20
6.0 - 18.0	CA-772	20	±0.75	14	1.45	0.55	2	20
6.0 - 18.0	CA-773	30	±0.75	14	1.45	0.55	2	20
6.0 - 18.0	CA-776	6	±0.75	14	1.45	0.55	2	20
7.0 - 12.4	CA-791	10	±0.50	17	1.3	0.45	2	30
7.0 - 12.4	CA-792	20	±0.50	17	1.3	0.45	2	30
7.0 - 12.4	CA-793	30	±0.50	17	1.3	0.45	2	30
7.0 - 12.4	CA-796	6	±0.50	17	1.3	0.45	2	30
8.0 - 18.0	CA-871	10	±0.70	14	1.45	0.55	2	20
8.0 - 18.0	CA-872	20	±0.70	14	1.45	0.55	2	20
8.0 - 18.0	CA-873	30	±0.70	14	1.45	0.55	2	20
8.0 - 18.0	CA-876	6	±0.70	14	1.45	0.55	2	20
12.4 - 18.0	CA-911	10	±0.50	15	1.4	0.55	2	30
12.4 - 18.0	CA-912	20	±0.50	15	1.4	0.55	2	30
12.4 - 18.0	CA-913	30	±0.50	15	1.4	0.55	2	30
12.4 - 18.0	CA-916	6	±0.50	15	1.4	0.55	2	30

Part Number	Outline (in)	"A"	"B"	"C"	"D"	"E"	Weight(g) Max
CA-511	1	3.1	0.5	0.8	1.5	-	19
CA-512	1	3.1	0.5	0.8	1.5	-	19
CA-513	1	3.1	0.5	0.8	1.5	-	19
CA-516	1	3.1	0.5	0.8	1.5	-	19
CA-521	2	3.4	0.5	0.95	1.5	-	19
CA-522	2	3.4	0.5	0.95	1.5	-	19
CA-523	2	3.4	0.5	0.95	1.5	-	19
CA-526	2	3.4	0.5	0.95	1.5	-	19
CA-591	4	1.8	0.55	0.43	0.94	-	19
CA-592	4	1.8	0.55	0.43	0.94	-	19
CA-593	4	1.8	0.55	0.43	0.94	-	19
CA-596	4	1.8	0.55	0.43	0.94	-	19
CA-671	6	1.0	0.5	-	-	0.5	19
CA-672	6	1.0	0.5	-	-	0.5	19
CA-673	6	1.0	0.5	-	-	0.5	19
CA-676	6	1.0	0.5	-	-	0.5	19
CA-691	7	1.3	0.5	-	-	0.65	19
CA-692	7	1.3	0.5	-	-	0.65	19
CA-693	7	1.3	0.5	-	-	0.65	19

Part Number	Outline (in)	"A"	"B"	"C"	"D"	"E"	Weight(g) Max
CA-696	7	1.3	0.5	-	-	0.65	19
CA-751	8	0.9	0.5	-	-	0.45	19
CA-752	8	0.9	0.5	-	-	0.45	19
CA-753	8	0.9	0.5	-	-	0.45	19
CA-756	8	0.9	0.5	-	-	0.45	19
CA-771	8	0.9	0.5	-	-	0.45	19
CA-772	8	0.9	0.5	-	-	0.45	19
CA-773	8	0.9	0.5	-	-	0.45	19
CA-776	8	0.9	0.5	-	-	0.45	19
CA-791	8	0.9	0.5	-	-	0.45	19
CA-792	8	0.9	0.5	-	-	0.45	19
CA-793	8	0.9	0.5	-	-	0.45	19
CA-796	8	0.9	0.5	-	-	0.45	19
CA-871	8	0.9	0.5	-	-	0.45	19
CA-872	8	0.9	0.5	-	-	0.45	19
CA-873	8	0.9	0.5	-	-	0.45	19
CA-876	8	0.9	0.5	-	-	0.45	19
CA-911	8	0.9	0.5	-	-	0.45	19
CA-912	8	0.9	0.5	-	-	0.45	19
CA-913	8	0.9	0.5	-	-	0.45	19
CA-916	8	0.9	0.5	-	-	0.45	19

