

Amplifiers



Coaxial

Broadband Small Signal Amplifiers 0.5 to 18GHz

P/N	Freq. Range (GHz)	Gain (dB)		Noise Figure (dB)	Pout@1dB (dBm)	Flatness (dB)	IP ₃ (dBm)	VSWR	Current +12V (mA)	Case
		Min	Max	Max	Min	Max	Typ	Max	Typ	
CA0510N1610	0.5 - 1	14	18	4.0	10	± 0.5	20	2:1	120	2I,2MH
CA0510N3210	0.5 - 1	29	35	4.0	10	± 1	20	2:1	200	4I,3MH
CA0510N1614	0.5 - 1	14	18	4.0	14	± 0.5	20	2:1	120	2I,2MH
CA0510N3214	0.5 - 1	29	35	4.0	14	± 1	20	2:1	200	4I,3MH
CA0520N1610	0.5 - 2	14	18	4.0	10	± 1.0	20	2:1	120	2I,2MH
CA0520N3210	0.5 - 2	29	35	4.0	10	± 1.4	20	2:1	200	4I,3MH
CA0520N1614	0.5 - 2	14	18	4.0	14	± 1.0	20	2:1	120	2I,2MH
CA0520N3214	0.5 - 2	29	35	4.0	14	± 1.4	20	2:1	200	4I,3MH
CA1020N1610	1 - 2	14	18	4.0	10	± 0.8	20	2:1	120	2I,2MH
CA1020N3214	1 - 2	29	35	4.0	14	± 1.4	20	2:1	200	4I,3MH
CA2040N1409	2 - 4	12	17	4.5	9	± 1.3	20	2:1	150	2I,2MH
CA2040N2109	2 - 4	19	24	4.0	9	± 1.0	20	2:1	150	4I,3MH
CA2040N2810	2 - 4	25	31	4.0	10	± 1.3	20	2:1	150	4I,4MH
CA2040N3510	2 - 4	32	39	4.5	10	± 1.5	25	2:1	200	6I,6MH
CA2040N4210	2 - 4	38	46	4.5	10	± 1.5	25	2:1	300	6I,6MH
CA2040N1613	2 - 4	14	19	4.8	13	± 1.3	20	2:1	150	2I,2MH
CA2040N2113	2 - 4	19	24	4.0	13	± 1.0	20	2:1	150	4I,3MH
CA2040N2815	2 - 4	25	31	4.0	15	± 1.3	20	2:1	150	4I,4MH
CA2040N3515	2 - 4	32	39	4.5	15	± 1.5	25	2:1	200	6I,6MH
CA2040N4215	2 - 4	38	46	4.5	15	± 1.5	25	2:1	300	6I,6MH
CA2080N1609	2 - 8	14	19	4.5	9	± 1.5	20	2:1	150	2I,2MH
CA2080N2109	2 - 8	18	24	4.5	9	± 1.5	20	2:1	150	4I,3MH
CA2080N2810	2 - 8	25	32	4.0	10	± 1.5	20	2:1	250	4I,4MH
CA2080N4210	2 - 8	38	46	4.5	10	± 2.0	25	2:1	300	6I,6MH
CA2080N3510	2 - 8	32	39	4.5	10	± 1.8	25	2:1	350	6I,6MH
CA2080N1613	2 - 8	14	19	5.0	13	± 1.5	20	2:1	150	2I,2MH
CA2080N2113	2 - 8	18	24	4.5	13	± 1.5	20	2:1	250	4I,3MH
CA2080N2815	2 - 8	25	32	4.0	15	± 1.5	20	2:1	250	4I,4MH
CA2080N3515	2 - 8	32	39	4.5	15	± 1.8	25	2:1	350	6I,6MH
CA2080N4215	2 - 8	38	46	4.5	15	± 2.0	25	2:1	350	6I,6MH
CA1018N2409	1 - 18	21	28	5.5	9	± 2.0	18	2.2:1	200	4I,4MH
CA1018N3209	1 - 18	28	36	5.5	9	± 2.2	18	2.2:1	300	6I,6MH
CA1018N4009	1 - 18	36	45	6.0	9	± 2.5	18	2.5:1	350	6I,6MH
CA1018N2414	1 - 18	21	28	7.0	14	± 2.0	23	2.2:1	280	4I,4MH
CA1018N3214	1 - 18	28	36	7.0	14	± 2.2	23	2.2:1	350	6I,6MH
CA1018N4014	1 - 18	36	45	7.0	14	± 2.5	23	2.5:1	450	6I,6MH
CA2018N1809	2 - 18	15	21	5.5	9	± 2.2	18	2.2:1	180	4I,3MH
CA2018N2409	2 - 18	21	28	5.5	9	± 2.0	18	2.2:1	200	4I,4MH
CA2018N3209	2 - 18	28	36	5.5	9	± 2.2	18	2.2:1	300	6I,6MH
CA2018N4009	2 - 18	36	45	6.0	9	± 2.5	18	2.5:1	350	6I,6MH
CA2018N1814	2 - 18	15	21	7.5	14	± 2.2	23	2.2:1	250	4I,3MH
CA2018N2414	2 - 18	21	28	7.0	14	± 2.0	23	2.2:1	280	4I,4MH
CA2018N3214	2 - 18	28	36	7.0	14	± 2.2	23	2.2:1	350	6I,6MH
CA2018N4014	2 - 18	36	45	7.0	14	± 2.5	23	2.5:1	450	6I,6MH

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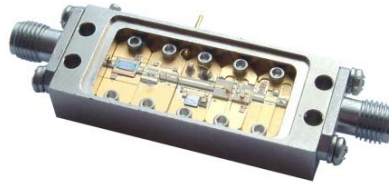
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P/N	Freq. Range (GHz)	Gain (dB)		Noise Figure (dB)	Pout@1dB (dBm)	Flatness (dB)	IP ₃ (dBm)	VSWR Max	Current +12V(mA) Typ	Case
		Min	Max	Max	Min	Max				
CA4080N1609	4 - 8	14	19	4.5	9	± 1.3	20	2:1	150	2I,2MH
CA4080N2109	4 - 8	18	24	4.0	9	± 1.3	20	2:1	150	4I,3MH
CA4080N2810	4 - 8	25	31	4.0	10	± 1.3	20	2:1	250	4I,4MH
CA4080N3510	4 - 8	32	39	4.5	10	± 1.5	25	2:1	300	6I,6MH
CA4080N4210	4 - 8	38	46	4.5	10	± 1.8	25	2:1	350	6I,6MH
CA4080N1613	4 - 8	14	19	4.5	13	± 1.3	20	2:1	150	2I,2MH
CA4080N2113	4 - 8	18	24	4.0	13	± 1.3	20	2:1	150	4I,3MH
CA4080N2815	4 - 8	25	31	4.0	15	± 1.3	20	2:1	250	4I,4MH
CA4080N3515	4 - 8	32	39	4.0	15	± 1.5	25	2:1	300	6I,6MH
CA4080N4215	4 - 8	38	46	4.5	15	± 1.8	25	2:1	350	6I,6MH
CA6018N1409	6 - 18	11	17	5.0	9	± 1.8	20	2:1	180	2I,2MH
CA6018N2109	6 - 18	18	24	4.5	9	± 1.5	20	2:1	180	4I,3MH
CA6018N2810	6 - 18	25	32	4.0	10	± 1.5	20	2:1	280	4I,4MH
CA6018N3510	6 - 18	31	39	4.5	10	± 1.8	25	2:1	350	6I,6MH
CA6018N4210	6 - 18	38	46	4.5	10	± 2.0	25	2:1	380	8I,46
CA6018N4910	6 - 18	45	53	5.0	10	± 2.2	25	2:1	450	8I,46
CA6018N1613	6 - 18	14	19	5.0	13	± 1.8	20	2:1	180	2I,2MH
CA6018N2113	6 - 18	18	24	4.5	13	± 1.5	20	2:1	180	4I,3MH
CA6018N2815	6 - 18	25	32	4.0	15	± 1.5	20	2:1	280	4I,4MH
CA6018N3515	6 - 18	31	39	4.5	15	± 2.0	25	2:1	350	6I,6MH
CA6018N4215	6 - 18	38	46	4.5	15	± 2.0	25	2:1	380	8I,46
CA6018N4915	6 - 18	45	53	5.0	10	± 2.2	25	2:1	450	8I,46
CA8012N1609	8 - 12	14	19	4.5	9	± 1.4	20	2:1	150	2I,2MH
CA8012N2109	8 - 12	18	24	4.0	9	± 1.4	20	2:1	150	4I,3MH
CA8012N2810	8 - 12	25	31	4.0	10	± 1.4	20	2:1	250	4I,4MH
CA8012N3510	8 - 12	32	38	4.5	10	± 1.4	20	2:1	300	6I,6MH
CA8012N4210	8 - 12	39	46	4.5	10	± 1.8	25	2:1	350	8I,46
CA8012N4910	8 - 12	45	53	5.0	10	± 1.8	25	2:1	400	8I,46
CA8012N1413	8 - 12	11	17	5.0	13	± 1.4	20	2:1	150	2I,2MH
CA8012N2113	8 - 12	18	24	4.0	13	± 1.2	20	2:1	150	4I,3MH
CA8012N2815	8 - 12	25	31	4.0	15	± 1.4	20	2:1	250	4I,4MH
CA8012N3515	8 - 12	32	38	4.5	15	± 1.4	20	2:1	300	6I,6MH
CA8012N4215	8 - 12	39	46	4.5	15	± 1.4	25	2:1	350	8I,46
CA8012N4915	8 - 12	45	53	5.0	15	± 2.0	25	2:1	400	8I,46
CA8018N1409	8 - 18	11	17	5.0	9	± 1.4	20	2:1	180	2I,2MH
CA8018N2109	8 - 18	18	24	4.0	9	± 1.4	20	2:1	180	4I,3MH
CA8018N2810	8 - 18	25	32	4.0	10	± 1.5	20	2:1	280	4I,4MH
CA8018N3510	8 - 18	32	39	4.5	10	± 1.8	20	2:1	350	6I,6MH
CA8018N4210	8 - 18	39	46	4.5	10	± 2.0	25	2:1	380	8I,46
CA8018N4910	8 - 18	45	53	5.0	10	± 2.0	25	2:1	450	8I,46
CA8018N1413	8 - 18	11	17	5.0	13	± 1.8	20	2:1	180	2I,2MH
CA8018N2113	8 - 18	18	24	4.0	13	± 1.4	20	2:1	180	4I,3MH
CA8018N2815	8 - 18	25	32	4.0	15	± 1.5	20	2:1	280	4I,4MH
CA8018N3515	8 - 18	32	39	4.5	15	± 1.8	20	2:1	350	6I,6MH

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		Min	Max	Max	Min	Max	Typ	Max	Typ	
CA8018N4215	8 - 18	39	46	4.5	15	± 2.0	25	2:1	380	8I,46
CA8018N4915	8 - 18	45	53	5.0	15	± 2.0	25	2:1	450	8I,46

Notes:

1. Operating Temperature : -55 °C to +85 °C. Storage Temperature : -60 °C to +90 °C.
2. All products have built-in voltage regulators, which can operate from +10V to +18VDC.
3. Many kinds of cases are in stock; such as 08,10,46,55 and so on, special housings are available.
4. Connectors for MH case are detachable, insulator input and output after removal of connectors.
5. Maximum input power level is 20dBm for CW, or 30dBm for pulse with 1 μ s PW and 1% duty cycle.
6. Custom Designs Available