

Amplifiers



Coaxial

Broadband Medium Power Amplifiers 1 to 18GHz

P/N	Freq. Range (GHz)	Gain (dB)		Noise Figure (dB) Max	Pout@1dB (dBm) Min	Flatness (dB) Max	IP ₃ (dBm) Typ	VSWR Max	Current +12V (mA) Typ	Case
		Min	Max							
CA1020N3220	1 - 2	29	35	4.0	20	± 1.3	30	2:1	300	4I,4MH
CA2040N2120	2 - 4	18	24	5.5	20	± 1.4	30	2:1	250	4I,4MH
CA2040N2920	2 - 4	26	33	5	20	± 1.3	30	2:1	300	4I,4MH
CA2040N3720	2 - 4	34	41	5.5	20	± 1.5	30	2:1	300	6I,6MH
CA2040N4220	2 - 4	38	46	5.5	20	± 1.8	30	2:1	300	6I,6MH
CA2040N2923	2 - 4	26	33	5	23	± 1.3	30	2:1	300	4I,4MH
CA2040N3723	2 - 4	34	41	5.5	23	± 1.5	30	2:1	300	6I,6MH
CA2040N4223	2 - 4	38	46	5.5	23	± 1.8	30	2:1	300	6I,6MH
CA2080N2120	2 - 8	18	24	5.5	20	± 1.8	30	2:1	350	4I,4MH
CA2080N2920	2 - 8	26	33	5.0	20	± 1.8	30	2:1	350	4I,4MH
CA2080N3720	2 - 8	34	41	5.0	20	± 1.8	30	2:1	400	6I,6MH
CA2080N4220	2 - 8	38	46	5.5	20	± 1.8	30	2:1	450	6I,6MH
CA2080N2923	2 - 8	26	33	5.0	23	± 1.8	30	2:1	350	4I,4MH
CA2080N3723	2 - 8	34	41	5.0	23	± 1.8	30	2:1	400	6I,6MH
CA2080N4223	2 - 8	38	46	5.5	23	± 1.8	30	2:1	450	6I,6MH
CA1018N2420	1 - 18	21	28	6.5	20	± 1.8	30	2.2:1	280	4I,4MH
CA1018N3220	1 - 18	28	36	6.0	20	± 2.0	30	2.2:1	380	6I,6MH
CA1018N4020	1 - 18	35	45	6.5	20	± 2.5	28	2.5:1	480	6I,6MH
CA2018N2420	2 - 18	21	28	6.5	20	± 1.8	30	2.2:1	280	4I,4MH
CA2018N3220	2 - 18	28	36	6.0	20	± 2.0	30	2.2:1	380	6I,6MH
CA2018N4020	2 - 18	35	45	6.5	20	± 2.5	28	2.5:1	480	6I,6MH
CA4080N2120	4 - 8	18	24	5	20	± 1.4	30	2:1	250	4I,4MH
CA4080N2820	4 - 8	25	31	4.5	20	± 1.5	30	2:1	350	4I,4MH
CA4080N3520	4 - 8	32	39	4.5	20	± 1.8	30	2:1	400	6I,6MH
CA4080N4215	4 - 8	38	46	5.0	20	± 2	30	2:1	450	6I,6MH
CA6018N2120	6 - 18	18	24	5.5	20	± 1.8	30	2:1	280	4I,4MH
CA6018N2820	6 - 18	24	32	5.2	20	± 1.5	30	2:1	380	4I,4MH
CA6018N3520	6 - 18	31	39	5.2	20	± 1.8	30	2:1	380	6I,6MH
CA6018N4220	6 - 18	38	46	5.5	20	± 2.2	30	2:1	400	8I,46
CA6018N4920	6 - 18	45	53	5.5	20	± 2.2	30	2:1	480	8I,46
CA8012N2120	8 - 12	18	24	5	20	± 1.4	30	2:1	250	4I,4MH
CA8012N2820	8 - 12	24	31	4.5	20	± 1.4	30	2:1	350	4I,4MH
CA8012N3520	8 - 12	32	38	5	20	± 1.5	30	2:1	450	6I,6MH
CA8012N4220	8 - 12	39	46	5	20	± 1.8	30	2:1	450	8I,46
CA8012N4920	8 - 12	45	53	6	20	± 1.8	30	2:1	500	8I,46
CA8018N2120	8 - 18	18	24	5.5	20	± 1.8	30	2:1	400	4I,4MH
CA8018N2820	8 - 18	24	32	5.0	20	± 1.5	30	2:1	450	4I,4MH
CA8018N3520	8 - 18	32	39	5.0	20	± 1.8	30	2:1	450	6I,6MH
CA8018N4220	8 - 18	39	46	5.5	20	± 1.7	30	2:1	500	8I,46
CA8018N4920	8 - 18	45	53	5.5	20	± 2.0	30	2:1	500	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 Design Available

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