

Amplifiers



Coaxial

Broadband Low Noise 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							
LA1020N3220	1 - 2	29	35	3.0	20	± 1.3	30	2:1	150	4I,4MH
LA1018N2420	1 - 18	21	28	5.5	20	± 2.0	30	2.2:1	280	4I,4MH
LA1018N3220	1 - 18	28	36	5.0	20	± 2.0	30	2.2:1	380	6I,6MH
LA1018N4020	1 - 18	35	45	5.5	20	± 2.5	28	2.2:1	500	6I,6MH
LA2040N2120	2 - 4	18	24	4.5	20	± 1.4	30	2:1	250	4I,4MH
LA2040N2820	2 - 4	25	31	4	20	± 1.3	30	2:1	300	4I,4MH
LA2040N3520	2 - 4	31	39	4.0	20	± 1.5	30	2:1	300	6I,6MH
LA2040N4220	2 - 4	38	46	4.0	20	± 1.8	30	2:1	300	6I,6MH
LA2040N2823	2 - 4	25	31	4	23	± 1.3	30	2:1	300	4I,4MH
LA2040N3523	2 - 4	31	39	4.0	23	± 1.5	30	2:1	300	6I,6MH
LA2040N4223	2 - 4	38	46	4.0	23	± 1.8	30	2:1	300	6I,6MH
LA2080N2120	2 - 8	18	24	4.5	20	± 1.8	30	2:1	250	4I,4MH
LA2080N2820	2 - 8	24	32	4.0	20	± 1.8	30	2:1	350	4I,4MH
LA2080N3520	2 - 8	32	39	4.0	20	± 2	30	2:1	400	6I,6MH
LA2080N4220	2 - 8	38	46	4.5	20	± 2	30	2:1	450	6I,6MH
LA2080N2823	2 - 8	24	32	4.0	23	± 1.8	30	2:1	350	4I,4MH
LA2080N3523	2 - 8	32	39	4.0	23	± 2	30	2:1	400	6I,6MH
LA2080N4223	2 - 8	38	46	4.5	23	± 2	30	2:1	450	6I,6MH
LA2018N2420	2 - 18	21	28	5.5	20	± 2.0	30	2.2:1	280	4I,4MH
LA2018N3220	2 - 18	28	36	5.0	20	± 2.0	30	2.2:1	380	6I,6MH
LA2018N4020	2 - 18	35	45	5.5	20	± 2.5	28	2.2:1	500	6I,6MH
LA4080N2120	4 - 8	18	24	4	20	± 1.4	30	2:1	250	4I,4MH
LA4080N2820	4 - 8	25	31	3.5	20	± 1.5	30	2:1	350	4I,4MH
LA4080N3520	4 - 8	32	39	3.5	20	± 1.8	30	2:1	400	6I,6MH
LA4080N4220	4 - 8	38	46	4.0	20	± 2	30	2:1	450	6I,6MH
LA4080N2823	4 - 8	25	31	3.5	23	± 1.5	30	2:1	350	4I,4MH
LA4080N3523	4 - 8	32	39	3.5	23	± 1.8	30	2:1	400	6I,6MH
LA4080N4223	4 - 8	38	46	4.0	23	± 2	30	2:1	450	6I,6MH
LA6018N2120	6 - 18	18	24	4.5	20	± 1.8	30	2:1	280	4I,4MH
LA6018N2820	6 - 18	24	32	4.2	20	± 1.5	30	2:1	380	4I,4MH
LA6018N3520	6 - 18	31	39	4.2	20	± 1.8	30	2:1	380	6I,6MH
LA6018N4220	6 - 18	38	46	4.5	20	± 2.2	30	2:1	400	8I,46
LA6018N4920	6 - 18	45	53	4.5	20	± 2.2	30	2:1	480	8I,46
LA8012N2120	8 - 12	18	24	4.5	20	± 1.4	30	2:1	250	4I,4MH
LA8012N2820	8 - 12	24	31	3.5	20	± 1.4	30	2:1	350	4I,4MH
LA8012N3520	8 - 12	32	38	4	20	± 1.5	30	2:1	450	6I,6MH
LA8012N4220	8 - 12	39	46	4	20	± 1.8	30	2:1	450	8I,46
LA8012N4920	8 - 12	45	53	5	20	± 1.8	30	2:1	500	8I,46
LA8018N2120	8 - 18	18	24	4.5	20	± 1.8	30	2:1	280	4I,4MH
LA8018N2820	8 - 18	24	32	4.0	20	± 1.5	30	2:1	380	4I,4MH
LA8018N3520	8 - 18	32	39	4.0	20	± 1.8	30	2:1	380	6I,6MH
LA8018N4220	8 - 18	39	46	4.5	20	± 2	30	2:1	400	8I,46
LA8018N4920	8 - 18	45	53	4.5	20	± 2	30	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