

Low Noise Amplifier LNA Series

Part Number	Frequency (MHz)	NF (dB)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	VSWR (In/Out)	DC (V)	DC (mA)
LNA-200	200 - 300	1.1	21	+19	+33	1.3/1.7	15	75
LNA-250	10 - 250	1.4	17	+21	+39	1.4/1.1	5	160
LNA-300	225 - 400	0.8	21	+17	+35	1.2/1.4	12	75
LNA-350	200 - 500	0.8	22	+19	+35	1.5/1.9	5	100
LNA-400	150 - 650	0.8	21	+17	+35	1.2/1.4	12	75
LNA-440	420 - 450	2.7	24	+14	+26	2.5/1.2	12	15
LNA-500	10 - 500	2.9	18	+5	+14.5	1.5/1.7	12	16
LNA-500H	10 - 500	3.6	11	+17.5	+30	1.5/1.7	12	60
LNA-510	10 - 550	1.7	27	+19	+34	1.2/1.7	12	105
LNA-520	20 - 520	1.4	33	+18	+34	1.4/1.2	12	100
LNA-530	1 - 500	2.0	30	+13	+25	1.4/1.4	15	40
LNA-545	0.01 - 500	1.9	45	+10	+20	1.4/1.3	15	75
LNA-547	10 - 700	2.0	47	+22	+38	1.6/1.3	15	150
LNA-550	10 - 550	0.9	19	+8	+20	1.5/1.2	12	30
LNA-580	10 - 580	0.7	23	+19	+33	1.5/1.5	5	70
LNA-600	200 - 1000	0.85	20	+17	+35	1.3/1.5	12	75
LNA-605	10 - 600	1.0	40	+17	+31	1.5/1.2	5	135
LNA-650	0.03 - 600	2.2	50	+13.5	+25	1.5/1.2	15	85
LNA-700	10 - 700	1.0	40	+25	+35.8	1.5/1.2	5	240
LNA-750	300 - 1200	0.5	40	+19	+34	1.3/1.2	12	125
LNA-800	300 - 1300	0.5	34	+22.5	+39	1.9/1.4	12	190
LNA-840	10 - 800	2.2	40	+17	+30	1.7/1.2	12	100
LNA-850	750 - 950	1.2	17	+16.5	+30	1.4/1.2	5	60
LNA-900	880 - 960	1.2	23	+13	+25	2.4/1.4	12	25
LNA-910	900 - 1000	0.7	10	+13	+27	1.5/1.5	9 - 24	76
LNA-915	902 - 928	1.2	24	+13	+25	2.4/1.4	12	25
LNA-925	350 - 1500	1.0	30	+22	+33	1.8/1.4	5	160
LNA-930	30 - 930	1.3	30	+19	+35	1.3/1.1	12	115
LNA-950	350 - 1550	0.5	34	+18.5	+32	1.6/1.6	12	170
LNA-1000	10 - 1000	2.0	33	+11	+23	1.5/1.6	12	35
LNA-1018	50 - 1000	1.0	18	+17	+31	1.8/1.4	12	70
LNA-1030	20 - 1000	1.3	30	+17	+31	1.2/1.2	12	140
LNA-1035	500 - 1000	1.8	35	+13	+24	1.5/1.4	12	80
LNA-1036	50 - 1000	1.0	36	+22	+38	1.6/1.6	12	175
LNA-1045	50 - 1000	2.1	45	+22	+32	1.5/1.5	12	140
LNA-1050	10 - 1000	2.2	50	+13	+24	1.9/1.3	12	88
LNA-1100	700 - 1500	0.6	37	+19	+33	1.2/1.7	12	140
LNA-1150	300 - 2000	0.6	37	+20	+33	1.5/1.8	12	150

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Part Number	Frequency (MHz)	NF (dB)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	VSWR (In/Out)	DC (V)	DC (mA)
LNA-1200	1150 - 1300	1.2	20	+12	+24	2.0/1.6	12	25
LNA-1225	1215 - 1240	1.2	21	+12	+24	1.7/1.9	12	25
LNA-1240	100- 1200	3.5	41	+19	+32	1.5/1.5	15	150
LNA-1245	50- 1200	2.2	45	+12	+23	1.5/1.2	12	88
LNA-1300	550- 1300	0.55	15.5	+21	+38	1.1/1.5	5	90
LNA-1330	10- 1300	1.5	33	+20	+34	1.3/1.3	12	165
LNA-1350	700- 2000	0.8	35	+23	+37	1.6/1.2	12	170
LNA-1400	100- 1400	0.8	20	+17	+35	1.25/1.35	12	75
LNA-1440	0.01- 1400	2.7	40	+19	+32	1.4/1.4	15	120
LNA-1450	0.01- 1400	2.0	30	+9	+21	1.5/1.8	12	35
LNA-1500	10- 1500	3.3	36	+10	+23	1.5/2.0	12	45
LNA-1520	20- 1500	1.0	20	+17	+35	1.5/1.7	12	70
LNA-1535	1000- 2000	1.0	35	+23	+37	1.7/1.3	12	180
LNA-1550	50- 1550	2.7	47	+20	+33	2.5/2.5	12	140
LNA-1620	1600- 2000	1.1	18	+14	+25	1.9/1.3	12	25
LNA-1700	1400- 2000	1.4	16.5	+16	+29	1.2/1.7	5	50
LNA-1800	0.001- 1800	2.2	30	+8	+20	1.9/1.4	12	40
LNA-1820	1800- 2000	1.1	16	+26	+39	1.7/1.4	5	160
LNA-1822	1800- 2200	1.3	17.5	+14	+25	1.7/1.4	12	25
LNA-1835	200- 1800	1.8	35	+13	+24	2.0/1.4	12	35
LNA-2000	0.01- 2000	3.2	26	+10	+23	1.5/1.4	12	45
LNA-2024	2000- 2400	1.4	17	+13	+25	1.7/1.4	12	25
LNA-2030	2000- 3000	0.9	19	+19.5	+33.5	1.7/2.0	5	95
LNA-2227	2200- 2700	1.4	16	+14	+26	1.6/1.3	12	25
LNA-2250	1650- 2250	0.8	18	+20	+36	1.4/1.3	5	115
LNA-2400	2400- 2500	1.7	24	+10	+20	2.0/1.5	12	45
LNA-2425	2400- 2500	0.85	14	+26	+39	1.9/1.2	5	170
LNA-2428	2400- 2800	1.6	15	+13	+25	1.6/1.3	12	25
LNA-2450	2400- 2500	1.5	16	+14	+26	1.6/1.3	12	25
LNA-2500	0.1- 2500	2.4	25	-1	+8	1.2/1.7	12	17
LNA-2600	2500- 2700	1.8	23	+10	+20	2.3/1.5	12	45
LNA-2700	2200- 3200	1.7	23	+10	+20	2.5/1.5	12	45
LNA-3000A	40- 3000	1.3	16	+8	+22	1.5/1.5	3	18
LNA-3000B	40- 3000	1.3	17.5	+19	+32	2.0/2.0	5	60
LNA-3000C	40- 3000	1.3	17.5	+19	+32	2.0/2.0	12	60
LNA-3040	3000- 4000	1.0	17.5	+18.5	+33.7	1.8/1.4	5	65
LNA-4000	3000- 5000	2.0	20	+4.5	+15	1.8/1.1	12	25
LNA-4020	20- 4000	2.0	25	+12	+27	1.8/1.4	12	135
LNA-4050	20- 4000	2.0	25	+18	+35	1.6/1.5	5	160
LNA-4560	4500- 6000	1.1	15	+18.4	+31.2	2.5/1.5	5	65

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LNA-5200	5100- 5300	2.0	16	+12	+24	1.5/1.5	12	55
LNA-5500	5000- 6000	2.0	16	+12	+24	1.5/1.6	12	55
LNA-5800	5700- 5900	2.0	16	+12	+24	1.7/1.4	12	55
LNA-6500	5800- 6500	2.5	18	+14	+27	1.6/2.0	12	88
LNA-6G	500- 6000	1.8	22	+4	+15	1.3/1.4	12	15
LNA-8G	1000- 8000	1.6	24	+6.3	+16	1.5/1.2	12	20
LNA-14G	7000- 14000	1.8	17	+13	+25	1.5/1.5	5	60

Low Noise Amplifier ENA Series

Part Number	Frequency (MHz)	NF (dB)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	VSWR (In/Out)	DC (V)	DC (mA)
ENA-100T	10 – 600	0.9	40	+17	+31	1.5/1.1	9 - 15	140
ENA-120T	400 – 1000	0.7	40	+17	+31	1.2/1.8	9 - 15	140
ENA-130T	20 – 1000	1.3	30	+17	+31	1.4/1.2	9 - 15	140
ENA-150T	20 – 600	2.2	67	+18	+32	2.1/1.5	12 - 15	140
ENA-157T	6000 – 18000	2.1	25	+11	+24	2.3/1.5	5 - 15	70
ENA-160T	10 – 800	2.1	60	+19	+33	1.6/2.1	12 - 15	160
ENA-200T	100 – 2000	2.5	60	+19	+33	2.3/1.9	12 - 15	170
ENA-545T	350 – 2350	1.2	30	+21	+33	1.5/1.3	9 - 15	160
ENA-750T	500 – 1000	0.85	30	+21	+33	1.6/1.3	9 - 15	160
ENA-1721T	1700 – 2100	1.0	22	+20	+32	1.4/1.9	9 - 15	160

Low Noise Amplifier GNA Series

Part Number	Frequency (MHz)	NF (dB)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	VSWR (In/Out)	DC (V)	DC (mA)
GNA-60F	10 – 600	1.0	22	+19	+33	1.5/1.4	5 - 15	65
GNA-70F	1500 – 6000	1.5	25	+12	+25	1.8/1.7	5 - 15	50
GNA-80F	5000 – 11000	1.7	23	+12	+22	1.2/1.9	5 - 15	50
GNA-90F	4000 – 12000	1.7	20	+12	+22	1.2/1.9	5 - 15	50
GNA-100F	6000 – 14000	2.0	17	+13	+25	1.3/1.3	5 - 15	60
GNA-101F	1700 – 2500	0.55	17	+17.5	+36	1.4/1.3	5 - 15	115
GNA-102F	1000 – 3000	0.55	17	+14	+33	1.3/1.2	5 - 15	115
GNA-103F	1500 – 3500	0.7	17	+16.5	+34	1.6/1.5	5 - 15	115
GNA-104F	800 – 4000	0.7	17	+13	+32	1.6/1.5	5 - 15	115
GNA-105T	400 – 2500	1.0	17	+22	+34	1.8/1.5	9 - 15	50
GNA-106T	1700 – 2100	0.8	15	+22	+33	1.8/1.6	9 - 15	50
GNA-107T	600 – 1200	0.8	17	+20	+32	1.2/1.2	9 - 15	50
GNA-108T	1000 – 2000	0.6	20	+20	+36	1.5/1.3	9 - 15	65

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GNA-109T	700 – 2700	0.6	21	+18	+35	1.7/1.1	9 - 15	65
GNA-110T	1200 – 2700	0.6	20	+18	+35	1.7/1.1	9 - 15	65
GNA-111T	1000 – 3500	0.6	20	+17	+34	1.9/1.1	9 - 15	65
GNA-112T	500 – 4000	0.7	19	+17	+34	2.1/1.2	9 - 15	65
GNA-115T	400 – 2000	0.4	19	+21	+36	1.5/1.6	9 - 15	80
GNA-116T	500 – 1000	0.4	21	+21	+36	1.6/1.6	9 - 15	80
GNA-117T	100 – 1500	0.4	20	+19	+33	1.5/1.7	9 - 15	80
GNA-118T	1800 – 3800	0.8	18	+20	+39	1.8/1.6	9 - 15	110
GNA-119T	1000 – 4000	0.8	18	+20	+39	1.6/1.5	9 - 15	110
GNA-120F	8000 – 16000	1.9	20	+13	+25	1.4/1.1	5 - 15	65
GNA-130F	5000 – 21000	2.5	19	+10	+20	1.8/1.3	5 - 15	65
GNA-157F	6000 – 18000	1.9	27	+10	+25	2.0/1.6	5	65
GNA-515E	5000 – 15000	1.9	27	+10	+25	1.7/1.5	5	65
GNA-612E	6000 – 12000	2.0	26	+11	+25	1.4/1.4	5	65
GNA-902F	5000 – 10000	2.0	19	+16	+28	1.1/1.3	5	78
GNA-903F	5000 – 17000	1.9	18	+14	+25	1.2/1.4	5	100
GNA-904F	24000 – 36000	3.0	22	+11	+21	1.3/1.7	5	80

Low Noise Amplifier BNA Series

Part Number	Frequency (MHz)	NF (dB)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	VSWR (In/Out)	DC (V)	DC (mA)
BNA-1575	1555 – 1595	1.1	33	+3	+15	1.5/1.5	5 - 15	10
BNA-1960	1930 – 1990	2.0	43	+4	+15	3.0/2.0	9 - 15	30
BNA-2400	2400 – 2500	1.8	20	+4	+15	2.2/2.2	9 - 15	18
BNA-2450	2400 – 2500	2.0	40	+4	+15	1.8/1.5	9 - 15	30

Low Noise Amplifier XNA Series

Part Number	Frequency (MHz)	NF (dB)	Gain (dB)	P _{1dB} (dBm)	VSWR (In/Out)	DC (V)	DC (mA)
XNA-02000400-061026	2000 - 4000	0.6	26	+10	2.0/2.0	12-15	150
XNA-03400420-051037	3400 – 4200	0.5	37	+10	2.0/2.0	12-15	150
XNA-03400420-152033	3400 – 4200	1.5	33	+20	2.0/2.5	12-15	225
XNA-02000800-091026	2000 - 8000	0.9	26	+10	2.0/2.0	12-15	150
XNA-04000800-061035	4000 - 8000	0.6	35	+10	2.0/2.0	12-15	150
XNA-05000720-071035	5000 – 72000	0.7	35	+10	1.5/1.5	12-15	150
XNA-00101000-201028	100 - 10000	2.0	28	+10	2.2/2.2	12-15	150
XNA-02001000-101024	2000 - 10000	1.0	24	+10	2.0/2.0	12-15	150

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XNA-06001200-121032	6000 - 12000	1.2	32	+10	2.0/2.0	12-15	150
XNA-08001200-091033	8000 - 12000	0.9	33	+10	2.0/2.0	12-15	165
XNA-08001200-111030	8000 - 12000	1.1	30	+10	2.0/2.0	12-15	150
XNA-08001200-402022	8000 - 12000	4.0	22	+20	2.0/2.0	12-15	250
XNA-10701220-101040	10700 - 12700	1.0	40	+10	2.0/2.0	12-15	150
XNA-00101800-251020	100 - 18000	2.5	20	+10	2.5/2.5	12 - 15	175
XNA-00501800-241020	500 - 18000	2.4	20	+10	2.5/2.5	12 - 15	225
XNA-00501800-352333	500 - 18000	3.5	33	+23	2.5/2.5	12 - 15	350
XNA-01001800-251330	1000 - 18000	2.5	30	+13	2.5/2.5	12 - 15	150
XNA-02001800-251325	2000 - 18000	2.5	25	+13	2.5/2.5	12 - 15	150
XNA-08001800-200820	8000 - 18000	2.0	20	+8	2.0/2.0	12 - 15	150
XNA-02002000-362018	2000 - 20000	3.6	18	+20	2.5/2.5	12 - 15	350
XNA-00502650-401018	500 - 26500	4.0	18	+10	2.5/2.5	12 - 15	150
XNA-18002100-161820	18000 - 21000	1.6	20	+18	2.5/2.0	12 - 15	250
XNA-18002600-241941	18000 - 26000	2.4	41	+19	2.0/2.5	12 - 15	275

Low Power Amplifier LPA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
LPA-1-18	800 - 1000	18.5	+27	+37	4.2	2.2/2.2	5	250
LPA-1-20	50 - 1000	20	+20	+36	3.6	1.2/1.3	12	85
LPA-1-30	5 - 1000	32	+8.5	+19	3.5	2.2/1.5	5	25
LPA-1-30	10 - 1500	40	+20	+32	3.6	1.3/1.4	12	135
LPA-1-45	100 - 1000	45	+20	+34	3.5	1.5/1.5	12	135
LPA-2-15	5 - 2400	20	+9	+18	6.0	1.6/2.5	3	37
LPA-2-17	50 - 2500	17	+18.5	+32.5	4.0	1.5/1.5	12	85
LPA-2-19	5 - 2000	21.5	+7.8	+18.5	6.0	1.6/1.9	5	27
LPA-2-20	50 - 3000	21	+8	+18	6.5	1.8/2.2	3	28
LPA-2-30	100 - 2100	30	+18	+32	4.2	1.5/1.2	12	130
LPA-3-10	50 - 3000	11.5	+17.5	+32.5	4.4	1.2/1.3	12	80
LPA-3-13	0.01 - 3000	13	+13	+27	4.0	1.2/1.5	15	47
LPA-3-15	10 - 3000	18	+20	+33	3.3	1.7/1.9	12	115
LPA-3-18	1 - 3000	20	+22	+35	4.0	1.5/2.0	15	110
LPA-3-24	50 - 3000	24	+14	+24	4.5	1.4/1.5	12	95
LPA-4-14	10 - 4000	18	+20	+34	3.5	1.5/2.0	12	80
LPA-4-15	100 - 5000	15	+19	+35	4.5	1.5/1.5	12	85
LPA-4-18	60 - 4000	20	+20	+35	4.2	1.5/1.5	5	75
LPA-4-30	100 - 4000	33	+18.7	+34	5.0	1.7/1.6	12	130
LPA-4-34	50 - 4200	34	+19	+33	4.1	1.6/1.8	12	130

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LPA-5-15	70 – 5500	15	+19	+35	4.5	1.5/1.5	5	80
LPA-6-12	100 – 6000	15	+12.5	+26	4.0	2.0/2.3	12	40
LPA-6-26	100 – 6000	34	+19	+32	4.2	2.0/2.0	12	125
LPA-6-27	50 – 6000	27	+16.9	+31	5.5	1.7/1.8	12	130
LPA-6-30	0.3 – 6500	37	+17	+32	4.5	1.4/1.6	12	120
LPA-7-24	100 – 7000	24	+16	+28	5.5	1.3/1.8	12	130
LPA-7-25	0.1 – 7000	37	+19	+31	4.2	1.7/1.7	12	130
LPA-8-17	10 – 8000	21	+17	+32	3.5	1.2/1.2	12	75
LPA-9-22	50 – 9000	32	+15.3	+28.1	4.5	1.7/1.5	12	110
LPA-10-10	100 – 10000	16	+13	+28	4.0	1.7/1.7	12	50
LPA-10-20	0.1 – 10000	32	+15.3	+28	4.5	1.7/1.5	12	110

Low Power Amplifier EPA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
EPA-140T	100 – 3000	43	+18	+35	3.6	1.7/1.7	12 - 15	190
EPA-150T	50 – 3000	50	+14	+28	3.6	1.3/1.3	9 - 15	155
EPA-158T	6000 – 12000	19	+19	+26	5.5	1.6/1.9	9 - 15	105
EPA-160T	100 – 8000	30	+10	+23	6.0	1.3/1.6	9 - 15	120
EPA-240T	50 – 6000	37	+18	+33	5.0	1.3/1.5	12 - 15	180
EPA-250T	30 – 9000	40	+14	+26	5.3	1.2/1.3	12 - 15	150

Low Power Amplifier GPA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
GPA-101T	4000 – 12000	18	+16	+27	5.0	2.4/1.4	11 - 18	45
GPA-102T	8000 – 16000	13	+16	+27	4.5	1.5/1.4	11 - 18	45
GPA-183F	5000 – 18000	13	+17	+25	4.8	1.3/1.3	5	145
GPA-240F	5000 – 20000	10	+17	+25	6.5	1.3/1.3	5	130
GPA-280F	20000 – 36000	24	+11	+21	3.3	1.4/2.1	5	80
GPA-512E	5000 – 12000	11	+17	+25	6.5	1.3/1.4	5	130
GPA-612E	5000 – 12000	13	+17	+25	4.8	1.3/1.5	5	145

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Low Power Amplifier LRA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
LRA-69	10 – 1000	25	+20	+33	4.0	1.3/1.5	15	125
LRA-77	5 – 600	16	+18	+32	4.0	1.5/1.4	15	56
LRA-82	10 – 300	25	+20	+31	2.8	1.5/1.6	15	50
LRA-151	3 – 600	13	+22	+34	4.5	1.5/1.6	15	85

Medium Power Amplifier MGA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
MGA-250	225 – 275	25	+28	+41	4.5	1.5/1.1	5	470
MGA-400	40 – 850	17	+28	+45	3.0	1.5/1.4	9	330
MGA-430	400 – 470	14	+30	+44	6.5	1.3/1.2	12	360
MGA-800	400 – 1200	16	+28	+45	3.5	1.3/1.2	9	330
MGA-900	800 – 1000	15	+29	+47	8.0	1.2/-	5	700
MGA-930	800 – 1000	30	+30	+47	5.5	1.3/-	5	700
MGA-1000	700 – 1300	16	+27	+44	3.5	1.2/1.2	9	330
MGA-1600	1500 – 1700	12	+30	+43.5	6.0	1.4/1.4	5	750
MGA-1750	1500 – 2000	25	+30	+39	7.3	1.4/1.8	5	530
MGA-1850	1750 – 1950	12	+30	+47	5.5	1.7/1.6	5	750
MGA-2000	1600 – 2400	26	+27	+42	7.2	1.5/1.7	5	550
MGA-2500	2000 – 3000	24	+28.5	+42	6.0	1.7/1.9	5	480
MGA-3500	3000 – 4000	20	+27	+39	5.0	1.2/1.2	5	430
MGA-2-24	300 – 2500	24	+23	+34	5.0	1.5/1.3	12	200
MGA-4-27	50 – 4000	27	+20	+35	4.7	1.6/1.8	12	160
MGA-4-33	50 – 4500	33	+21	+35	4.5	1.4/1.8	12	160
MGA-5-30	100 – 5000	30	+20	+34	5.0	1.3/2.3	12	170
MGA-5150	4850 – 5450	20	+27	+39	6.0	1.6/-	5	900
MGA-5250	5150 – 5350	20	+27.3	+40	6.0	1.6/-	5	900
MGA-22-13	1000 – 22000	13	+22	+32	3.6	1.7/1.7	12	225

Medium Power Amplifier MPA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
MPA-300	150 – 450	21	+36	+45	8.0	-	24	500
MPA-315	225 – 400	21	+37	+45	8.0	-	24	700
MPA-370	270 – 470	35	+36	+45	6.0	1.3/1.3	9	1650
MPA-450	300 – 600	40	+38	+46	6.0	1.4/1.4	24	880

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Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
MPA-0709	700 – 900	42	+37	+47	8.0	1.2/2.0	9	1600
MPA-0850	750 – 950	40	+37	+47	6.0	2.0/2.0	9	1650
MPA-0915	902 – 928	40	+37	+47	6.0	1.3/1.5	9	1650
MPA-0925	850 – 1000	40	+37	+47	6.0	1.3/1.5	9	1650
MPA-0950	750 – 1150	28	+30	+40	6.0	2.3/1.5	12	1000
MPA-1400	1300 – 1500	32	+31.7	+41	5.5	1.3/1.6	12	1000
MPA-1600	1500 – 1700	30	+30	+41	5.5	1.3/1.5	12	970
MPA-2200	2190 – 2210	40	+33	+42	2.5	1.5/1.5	9	670
MPA-10-40	1 – 1000	40	+30	+40	3.3	1.3/1.2	12	360
MPA-12-30	30 – 1200	30	+30	+41	4.0	1.4/1.2	12	360
MPA-22-30	30 – 2200	30	+30	+41	4.2	1.4/1.2	12	415
MPA-24-05	2400 – 2500	23	+29	+38	5.0	1.5/1.8	5	450
MPA-24-10	2400 – 2500	23	+29	+38	5.0	1.5/1.8	12	450
MPA-36-23	3200 – 4000	23	+33	+42	7.5	1.8/1.3	5	1300
MPA-36-35	3200 – 4000	35	+32	+42	6.0	1.3/1.3	5	1300
MPA-40-40	20 – 1000	40	+36	+44	6.0	1.5/1.5	24	630
MPA-54-30	4800 – 6000	30	+30	+39	6.0	1.4/2.7	12	550
MPA-58-30	5700 – 5900	30	+30	+39	6.0	1.8/2.1	12	600
MPA-75-30	6000 – 9000	30	+30	+40	6.0	1.5/3.0	12	1400

Medium Power Amplifier MRA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	NF (dB)	VSWR (In/Out)	DC (V)	DC (mA)
MRA-512	10 – 1000	18	+27	+39	6.0	1.4/1.4	15	210
MRA-2010	10 – 2600	10	+25	+33	5.0	2.0/2.0	15	180

DC Coupled Amplifier DCA Series

Part Number	Frequency (MHz)	Power Gain (dB)	P _{1dB} (dBm)	IP3 (dBm)	Voltage Gain (dB)	VSWR (In/Out)	DC (V)	DC (mA)
DCA-50-08	DC – 2000	8	+11	+25	5	-25dB	± 12	± 45
DCA-50-14	DC – 1500	14	+11	+25	10	-23dB	± 12	± 45
DCA-50-20	DC – 50	20	+14	+24	20	1.1/1.15	12	45
DCA-50-23	DC – 40	23	+14	+24	30	1.1/1.15	12	45
DCA-50-30	DC – 17	30	+14	+25	64	1.12/1.15	12	45

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High Power Amplifier HPA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{out} (Watt)	P _{sat} (Watt)	IP3 (dBm)	VSWR (Input)	DC (V)	DC (mA)
HPA-155	135 – 175	37.5	20	28	-	1.5:1	12	3200
HPA-480	440 – 520	38.5	20	28	-	1.8:1	12	2800
HPA-820	760 – 880	39.5	16	20	-	1.5:1	12	3200
HPA-850	750 – 950	40	10	16	+48	1.4:1	12	2750
HPA-900	850 – 950	40	10	16	+50	1.4:1	12	2650
HPA-900A	850 – 950	40	10	16	+48	1.4:1	12	2750
HPA-910	880 – 940	30	10	16	+50	1.5:1	12	2500
HPA-915	902 – 928	40	10	16	+50	1.4:1	12	2500
HPA-1820	1800 – 2000	30	10	17	+48	1.2:1	28	1550

High Power Amplifier SPA Series

Part Number	Frequency (MHz)	Gain (dB)	P _{out} (Watt)	P _{out} (dBm)	IP3 (dBm)	VSWR (Input)	DC (V)	DC (mA)
SPA-775	700 – 850	43	10	+40	+49	1.3:1	12	2750
SPA-800	700 – 900	43	10	+40	+49	1.3:1	12	2700
SPA-850	750 – 950	43	10	+40	+49	1.3:1	12	2500
SPA-860	760 – 960	40	10	+40	+50	1.3:1	12	2750
SPA-915	902 – 928	40	10	+40	+50	1.2:1	12	2850
SPA-925	900 – 950	40	10	+40	+50	1.2:1	12	2750

Custom Frequency Divider/Prescaler FBS Series (N=8 to 511)

Part Number	Input Frequency (MHz)	Function Divide Ratio	Input Power (dBm)	Output Power (dBm)	100KHz SSB Phase Noise (dBc/Hz)	DC Voltage (V)	DC Current (mA)
FBS-N-7	200 – 7000	÷ N	-20 to +5	+4	-150	5	160
FBS-N-10	4000 – 10000	÷ N	-20 to +5	+4	-150	5	160

Custom Frequency Divider/Prescaler FAS/FCS/FDS Series (N=2 to 256)

Part Number	Input Frequency (MHz)	Function Divide Ratio	Input Power (dBm)	Output Power (dBm)	100KHz SSB Phase Noise (dBc/Hz)	DC Voltage (V)	DC Current (mA)
FAS-N	0.1 – 50	÷ N	-20 to +17	+12	-144	12	70
FCS-N	0.1 – 50	÷ N	-20 to +17	TTL/CMOS	-144	12	70
FDS-N	DC – 50	÷ N	TTL/CMOS	TTL/CMOS	-144	12	70

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