

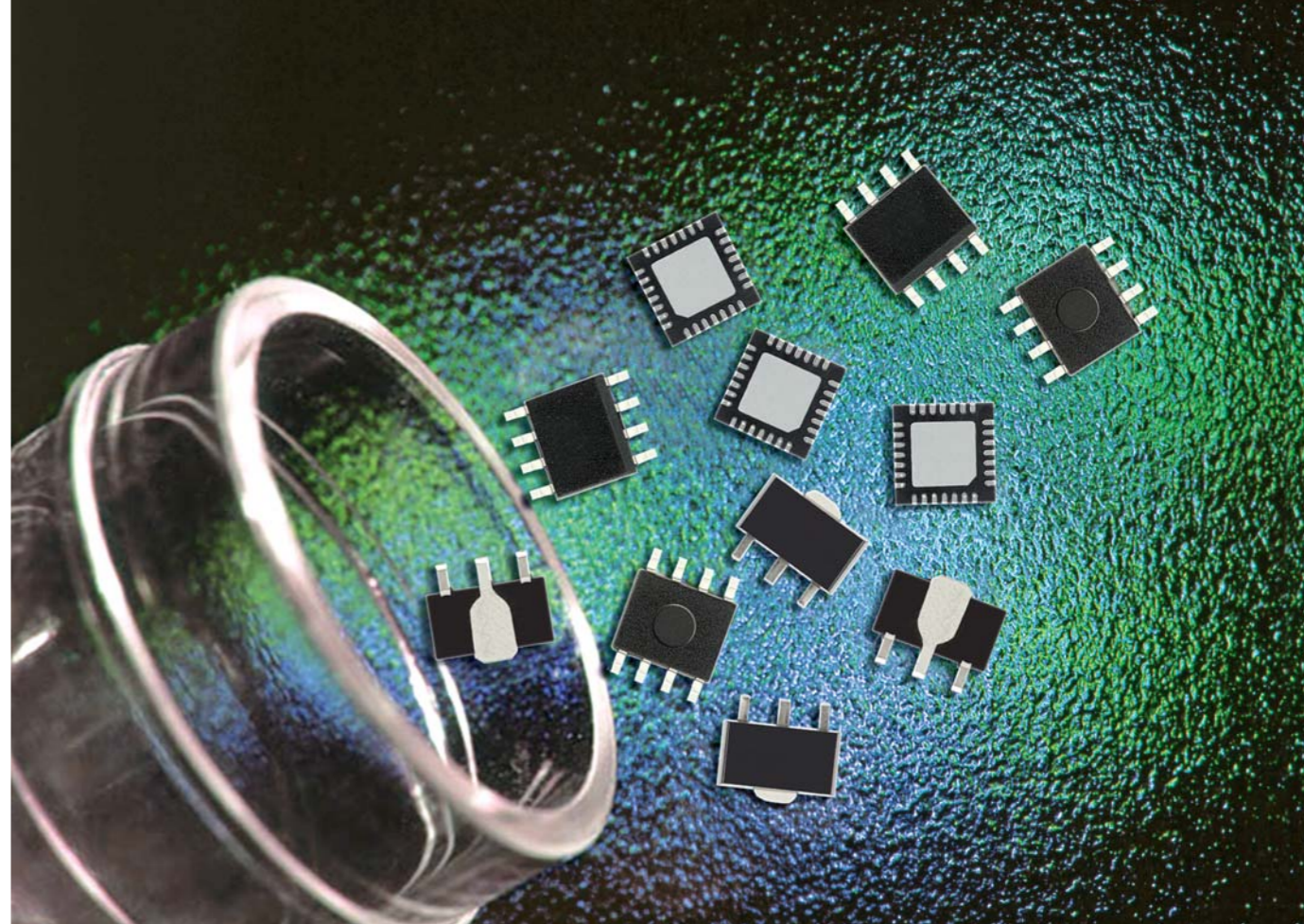
Tunable Broadband Drivers

Frequency (MHz)	Part Number	Bandwidth (MHz)	Center Freq (MHz)	Gain (dB)	OIP3 (dB)	PI dB (dBm)	NF (dB)	Voltage (Volts)	Current (mA)	Package
Packaged Products										
250 - 4000	MAAMSS0048	200	900/1900/2140	21/16/15.5	40/42/40	27/27/27	4.5/3.3/3.5	5	175	SOT-89
250 - 4000	MAAMSS0049	200	900/1900/2140	19/15.5/15.5	43/43/43	28.5/28.5/28.5	3.5/3.5/3.5	5	288	SOT-89
250 - 4000	MAAMSS0050	200	900/1900/2140	20/14/13	43/43/43	30/30/30	3.4/4/4.5	5	430	SOT-89
250 - 4000	MAAMSS0056	200	900/1900/2140	26.5/22/22	42/42/42	28.5/28/27.5	4/3.5/3.5	5	195	SOIC-8EP
250 - 4000	MAAMSS0057	200	900/1900/2140	24/21/21	32/32/32	30.5/31/31	5/4.5/4.5	5	600	SOIC-8EP
250 - 4000	MAAMSS0072	200	700/1900/3500	32/24/23	39.5/38/5/39	27/28.5/27	5/4/3.7	5	235	4 mm PQFN 16ld
250 - 4000	MAAMSS0073	200	900/1900/3500	26/24/23	43/43/43	30.5/30/29	5/4.5/3.8	5	590	4 mm PQFN 16ld
500 - 2500	MAAM-007942	200	900/1900/2140	27/25/24	40/40/40	30/30/30	2.1/2.1/2.1	5	460	4 mm PQFN 16ld
500 - 2500	MAAMSS0071	200	900/1900/2140	21/17/16	37/38/37	26/26/26	3.2/3.4/3.2	5	115	SOT-89
50 - 2500	MAAMSS0046	200	250/900/1900	18/12.5/10.5	38.5/34/34	19/19/19	4.8/5.1/5.3	5	70	SOT-89
70 - 3000	MAAMSS0070	200	900/1900/2140	13.2/12.7/12	42/41/41	21.5/21/21	3.2/3.2/3.3	5	150	SOT-89

Wideband Drivers

Frequency (MHz)	Part Number	Bandwidth (MHz)	Center Freq (MHz)	NF (dB)	Gain (dB)	OIP3 (dBm)	PI dB (dBm)	Voltage (Volts)	Current (mA)	Package
Packaged Products										
50 - 2000	MAAM-007865-OP1R00	50-2000	50-2000	6	20	29.5	18	5	42	3 mm PQFN 12ld
50 - 3300	MAAM-007866-OP1R00	50-3300	50-3300	6	27	36.5	23	5	155	3 mm PQFN 12ld

All parts are RoHS compliant.



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M/A-COM Commercial Amplifiers... Performance and Reliability



M/A-COM Amplifiers are used extensively in RF, microwave and mmWave commercial, military and space applications. M/A-COM produces low noise amplifiers, power amplifiers, driver amplifiers, and wideband amplifiers ranging from 50 MHz to 77 GHz, designed specifically for a wide variety of markets, such as: WiMAX, WLAN, RFID, CATV, cordless, and cellular infrastructure.

This brochure lists our most widely used amplifiers in plastic surface mount packages and includes GaAs MESFET, pHEMT, HBT, and SiGe based IC products. This is only a sampling of our standard amplifier products. If you do not find an amplifier that meets your needs, please contact us for other options including custom products or variations of standard products.

Selection Guide for Linear Amplifiers



Power Amplifiers (PA)

Frequency (MHz)	Part Number	Bandwidth (MHz)	Center Freq (MHz)	Gain (dB)	OIP3 (dBm)	P1dB (dBm)	Voltage (Volts)	Current (mA)	Package
Packaged Products									
600 - 4000	MAAP-008170	200	900/2500	16/13	45/45	34.5/34.5	12	100	3 mm PQFN 16ld
600 - 4000	MAAP-008171	200	900/2500	14/11	46/46	39.5/39.5	12	200	4 mm PQFN 16ld
800 - 1000	MAAP-007649	200	900	19.5	49	34	7.5	540	4 mm PQFN 16ld
850 - 960	MAAPSS0095	110	905	37	37	30	3.3	180	3 mm PQFN 16ld
900 - 2000	MAAM-007217	200	970/1680	15.5/10	17/16	6/4	3	5	SOT-143
2300 - 2800	MAAPSS0103	400	2500	34	42	32	5	250	4 mm PQFN 16ld
2400 - 2500	MAAP-008015	100	2450	31	32	23	3.3	43	3 mm PQFN 12ld
2400 - 2500	MAAPSS0075	100	2450	29.5	52	26.5	3.3	100	3 mm PQFN 12ld
2500 - 5000	MAAP-000066-PKG003	2500	3750	28	42	33	8	660	5 mm PQFN 20ld
3300 - 3800	MAAPSS0104	500	3500	32	42	32	5	250	4 mm PQFN 16ld
4900 - 6000	MAAPSS0096	1100	5800	20.5	40	29.5	7	360	4 mm PQFN 16ld
5000 - 8500	MAAP-000021-PKG003	3500	6750	17	40	32	8	600	5 mm PQFN 20ld
5700 - 5900	MAAP-007899	200	5800	25	38	28	5	350	4 mm PQFN 16ld
5700 - 8500	MAAP-000067-PKG003	2800	7100	26	41	33	8	640	5 mm PQFN 20ld
7100 - 11700	MAAP-000069-PKG003	4600	9400	27	40	31.5	8	750	5 mm PQFN 20ld
10000 - 13250	MAAP-000070-PKG003	3250	11625	29	41	32	8	880	5 mm PQFN 20ld
12000 - 16000	MAAP-000042-PKG003	4000	14000	20	38	29	8	470	5 mm PQFN 20ld
12700 - 15400	MAAP-000044-PKG003	2700	14050	17	34	26	8	210	5 mm PQFN 20ld
13750 - 14500	MAAP-008116	750	14175	30	42	32	8	700	6 mm PQFN 28ld
13750 - 14500	MAAP-008208	750	14175	28	43	33	8	800	6 mm PQFN 28ld
13750 - 14500	MAAPSS0111	750	14175	34	39	29	8	400	6 mm PQFN 28ld
17770 - 19700	MAAP-000072-PKG003	1930	18735	18	40	31	8	500	5 mm PQFN 20ld

Low Noise Amplifiers (LNA)

Frequency (MHz)	Part Number	Bandwidth (MHz)	Center Freq (MHz)	Gain (dB)	NF (dB)	OIP3 (dBm)	P1dB (dBm)	Voltage (Volts)	Current (mA)	Package
Packaged Products										
70 - 3000	MAALSS0034	2500	900/1900/2400	14.5/12/9.2	1.55/1.6/1.7	33/36/37	22/23/23	5	88	SOT-89
70 - 3000	MAALSS0038	2500	900/1900/3000	14.5/12/9.6	1.5/1.5/1.5	32/32/32	21/21/21	5	87	SC-70 6ld
400 - 500	MAAL-008624	100	450	21	0.9	28	16.5	5	60	SOIC-8
500 - 3000	MAAL-007304	200	2400	25	0.7	18	7	3	11.5	SOT-26
500 - 3000	MAAL-007306	200	1800	26	0.75	26	16	3	100	SOT-26
500 - 3000	MAAL-008550	200	900/1900/2400	12	0.6	14	5	3	7	SC-70 6ld
800 - 1000	MAALSS0040	200	900	16.8	0.95	30	14	5	40	SOT-26
1400 - 2000	MAALSS0048	300	1500/1900	18/17.5	1.6/1.65	13/12	1/0	3	6.5	SOT-26
1400 - 2000	MAAMSS0045	600	1785	14	1.4	29	16	5	45	SOIC-8EP
1500 - 1600	MAALSS0044	100	1500-1600	21	1.6	19	6	5	8	SOIC-8EP
1500 - 1700	MAALSS0049	200	1575	20	1.5	17	8.5	3	9.5	SOT-26
1550 - 1600	MAALSS0042	50	1575	27	1.15	13	1	5	20	SOIC-8EP
1700 - 2400	MAALSS0045	200	2000	19	1.4	32	20	5	80	3 mm PQFN 12ld
2200 - 2400	MAALSS0033	200	2300	17	0.9	26	10	5	26	SOT-26

All parts are RoHS compliant.