

MEDIUM POWER AMPLIFIERS (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Max.)			P1 dB (dBm) (Min.)	NOM. DC POWER (mA)	OUTLINE NO.	
						F ₁	F ₀	F ₂				
50 – 90	AU-3A-1263	43	0.25	1.3:1	50/50	1.5	1.5	1.5	20	15	135	4
50 – 90	AU-1263-70	43	0.2	1.5:1	50/50	1.5	1.5	1.5	20	15	140	4
50 – 90	AU-1415-70	44	0.25	1.5:1	50/50	1.4	1.4	1.4	20	15	140	4
50 – 90	AU-2A-1360	45	0.25	1.3:1	75/75	2.0	2.0	2.0	20	15	140	4
50 – 90	AU-1360-70	45	0.2	1.5:1	75/75	2.0	2.0	2.0	20	15	140	4
50 – 90	AU-1204-70	52	0.2	1.5:1	50/50	2.0	2.0	2.0	20	15	130	3
50 – 90	AU-3A-1204	52	0.25	1.3:1	50/50	2.2	2.2	2.2	20	15	130	3
50 – 500	AU-1537	25	1.0	2.0:1	50/50	5.0	5.0	5.0	23	15	325	3
50 – 500	AU-1459	26	0.5	2.0:1	50/50	3.0	3.1	3.2	15	15	120	3
50 – 1000	AM-1510	13	1.25	2.0:1	50/50	7.0	7.0	7.0	20	15	250	2
50 – 1000	AM-1539	18	1.25	2.0:1	50/50	7.5	7.5	7.5	15	15	130	2
50 – 1000	AMP-1512	36	1.75	2.0:1	50/50	5.0	4.5	4.5	28	21	750	13
100 – 180	AU-1552-140	10	0.25	1.5:1	75/75	5.0	5.0	5.0	20	15	85	1
100 – 180	AU-1510-140	13	0.2	1.5:1	50/50	7.0	7.0	7.0	22	15	250	2
100 – 180	AU-1499-140	21	0.2	1.5:1	50/50	8.0	8.0	8.0	17	15	195	3
100 – 180	AU-1541-140	24	0.2	1.5:1	75/75	2.5	2.5	2.5	20	15	180	2
100 – 180	AU-1469-140	28	0.2	1.5:1	50/50	7.5	7.5	7.5	15	15	240	3
100 – 180	AU-1092	29	0.25	1.3:1	75/75	3.2	3.2	3.2	18	15	125	3
100 – 180	AU-1092-140	29	0.2	1.5:1	75/75	3.2	3.2	3.2	19	15	125	3
100 – 180	AU-1158-140	30	0.2	1.5:1	50/50	2.9	2.9	2.9	19	15	125	3
100 – 180	AU-1093-140	32	0.2	1.5:1	50/50	3.0	3.0	3.0	17	15	135	3
100 – 180	AU-1571-140	38	0.2	1.5:1	50/50	1.3	1.3	1.3	18	15	225	3
100 – 180	AU-1263-140	43	0.2	1.5:1	50/50	1.5	1.5	1.5	19	15	140	4
100 – 180	AU-1415-140	44	0.25	1.5:1	50/50	1.4	1.4	1.4	19	15	140	4
100 – 180	AU-1360-140	45	0.2	1.5:1	75/75	2.0	2.0	2.0	19	15	140	4
100 – 180	AU-1204-140	52	0.2	1.5:1	50/50	2.0	2.0	2.0	19	15	130	3
100 – 180	AU-1575-140	54	0.25	1.5:1	50/75	2.0	2.0	2.0	15	15	225	4
100 – 550	AU-1330	7	0.5	2.0:1	50/50	6.5	6.5	6.5	23	15	135	2
100 – 1000	AM-1358	25	1.75	2.0:1	50/50	4.0	4.0	4.0	20	15	375	15-2
100 – 1000	AM-1530	35	1.75	2.0:1	50/50	4.5	3.7	3.7	20	15	375	15-2
100 – 1000	AM-1331	35	0.75	2.0:1	50/50	1.4	1.6	1.8	14	15	140	8
100 – 1000	AM-1412	35	0.75	2.0:1	50/50	1.4	1.6	1.8	14	15	140	3
100 – 3000	AM-1526	9	1.0	2.0:1	50/50	8.0	5.5	5.5	20	15	160	1
100 – 3000	AM-1544	20	1.0	2.0:1	50/50	9.0	5.0	5.0	20	15	360	15-2
100 – 3000	AM-1373	30	1.75	2.0:1	50/50	6.0	5.0	5.0	19	15	390	15-2
100 – 3000	AM-1554	33	2.0	2.0:1	50/50	9.0	5.0	5.0	20	15	470	15-3
225 – 400	AU-1501	35	0.25	2.0:1	50/50	2.0	2.0	2.0	21	15	240	3
500 – 1000	AM-1518	30	0.5	2.0:1	50/50	1.8	2.0	2.2	15	15	155	3
500 – 1000	AM-1409	38	0.5	2.2:1	50/50	2.1	2.2	2.4	20	15	280	4
500 – 1000	AMP-1502	41	0.5	2.0:1	50/50	2.2	2.2	2.2	21	15	250	4
500 – 2000	AM-1522	11	1.0	2.2:1	50/50	4.5	2.7	2.7	16	15	110	1
500 – 3000	AM-1367	40	1.0	2.0:1	50/50	9.0	9.0	9.0	18	15	430	15-3
1000 – 1500	AM-1312	30	1.0	2.2:1	50/50	3.0	3.0	3.0	23	15	210	3
1000 – 2000	AMMIC-1386	13	0.75	2.0:1	50/50	3.8	4.2	4.5	13	15	140	3
1000 – 2000	AM-1477	37	1.0	2.0:1	50/50	1.8	2.1	2.4	15	15	140	3

SPECIAL APPLICATION AMPLIFIERS

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Max.)			P1 dB (dBm) (Min.)	NOM. DC POWER (mA)	OUTLINE NO.	
						F ₁	F ₀	F ₂				
LOW FREQUENCY AMPLIFIERS												
0.001 – 500	AU-1534	30	0.5	2.0:1	50/50	1.3	1.4	1.5	8	15	50	2
0.001 – 1750	AM-1487	19	1.0	2.2:1	50/50	2.5	3.0	3.9	-5	15	20	1
0.01 – 200	AU-1442	35	0.5	2.0:1	50/50	1.2	1.2	1.2	5	15	45	2
0.01 – 200	AU-1447	56	0.5	2.0:1	50/50	1.2	1.2	1.2	12	15	75	3
0.01 – 250	AU-1559	11	0.5	2.0:1	50/50	4.2	4.2	4.2	16	15	85	1
0.01 – 300	AU-1547	18	0.5	2.0:1	50/50	2.3	2.4	2.6	8	15	35	1
0.01 – 350	AU-1447-350	56	0.5	2.0:1	50/50	1.2	1.2	3.0	12	15	75	3
0.01 – 400	AU-1565	54	0.75	2.0:1	50/50	1.2	1.2	1.3	14	15	110	3
0.01 – 500	AU-1414	14	0.5	2.0:1	50/50	2.8	2.9	3.0	6	15	40	1
0.01 – 500	AU-1261	30	0.5	2.0:1	50/50	1.3	1.4	1.5	7	15	50	8
0.01 – 500	AU-1310	30	0.5	2.0:1	50/50	1.3	1.4	1.5	8	15	50	2
0.01 – 500	AU-1562	30	0.5	2.0:1	50/50	1.3	1.4	1.5	8	15	55	2
0.01 – 500	AU-1332	45	0.5	2.0:1	50/50	1.3	1.4	1.5	10	15	75	3
0.01 – 500	AU-1291	60	0.75	2.0:1	50/50	1.3	1.4	1.5	10	15	95	4

SPECIAL APPLICATION AMPLIFIERS (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN	VAR.	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Max.)			P1 dB	NOM. DC POWER (mA)	OUTLINE NO.
		(dB) (Min.)	(±dB) (Max.)			F ₁	F ₀	F ₂	(dBm) (Min.)		

LOW FREQUENCY AMPLIFIERS (CONT.)

0.01 – 1000	AM-1402	17	1.0	2.0:1	50/50	6.0	5.0	5.0	15	15	80	1
0.01 – 1000	AM-1297	25	0.75	2.0:1	50/50	1.4	1.6	1.8	5	15	55	8
0.01 – 1000	AM-1497	25	0.75	2.0:1	50/50	1.4	1.6	1.8	5	15	55	7
0.01 – 1000	AM-1300	27	0.75	2.0:1	50/50	1.4	1.6	1.8	8	15	55	2
0.01 – 1000	AM-1431	35	0.75	2.0:1	50/50	1.4	1.6	1.8	8	15	75	3
0.01 – 1000	AM-1309	50	1.0	2.0:1	50/50	1.4	1.6	1.8	8	15	90	4
0.01 – 1300	AM-1422	19	1.0	2.2:1	50/50	1.5	1.9	2.5	2	15	55	2
0.01 – 1500	AM-1503-1500	39	1.0	2.0:1	50/50	2.5	2.9	3.4	11	15	110	2
0.02 – 1000	AM-1551	38	1.0	2.0:1	50/50	1.4	1.6	1.8	15	15	150	3
0.05 – 1000	AMX-1320	24	1.0	2.2:1	50/50	1.4	1.7	2.0	5	15	55	11
0.1 – 250	AU-1345-250	38	0.5	2.0:1	50/50	3.5	3.2	3.2	17	15	110	2
0.1 – 400	AU-1583	36	0.5	2.0:1	50/50	1.2	1.2	1.2	6	15	45	2
0.1 – 500	AU-1503-500	38	0.5	2.0:1	50/50	2.5	2.6	2.7	15	15	110	2
0.1 – 500	AU-1345-500	38	1.0	2.0:1	50/50	3.5	3.2	3.3	17	15	110	2
0.1 – 2000	AM-1364	9	1.5	2.0:1	50/50	6.0	6.0	6.0	10	15	65	1
0.1 – 2000	AM-1407	24	3.0	2.2:1	50/50	3.5	4.5	6.0	6	15	65	1
0.3 – 200	AU-1566	26	0.5	2.0:1	50/50	2.0	2.0	2.0	19	15	140	2

FAST RECOVERY NMR AMPLIFIERS

0.1 – 400	AU-1583	36	0.5	2.0:1	50/50	1.2	1.2	1.2	6	15	45	2
5 – 400	AU-1322	24	0.5	2.0:1	50/50	2.5	2.5	3.3	17	15	150	2
10 – 200	AU-1466	35	0.5	2.0:1	50/50	1.2	1.2	1.2	6	15	45	2
10 – 200	AU-1480	50	0.5	2.0:1	50/50	1.2	1.2	1.2	10	15	65	3
10 – 400	AU-1448	50	0.5	2.0:1	50/50	1.2	1.2	1.3	10	15	70	3
10 – 500	AU-1114	30	0.5	2.0:1	50/50	1.3	1.4	1.5	8	15	55	2
10 – 500	AU-1327	30	0.5	2.0:1	50/50	1.3	1.4	1.5	8	15	50	8
10 – 500	AU-1301	30	0.5	2.0:1	50/50	1.3	1.4	1.5	8	15	50	2
10 – 500	AU-1313	44	0.5	2.0:1	50/50	1.3	1.4	1.5	10	15	70	3
10 – 600	AU-1467	60	0.75	2.0:1	50/50	1.3	1.4	1.5	9	15	95	4

NOTE: All NMR amplifiers have the following features:

Input crossed diode protection - maximum RF input 30 dBm CW or 15V p-p pulse.

1.0 ms nominal recovery time after a high magnetic field.

No internal ferrites. May be used in a high magnetic field.

75 OHM AMPLIFIERS

5 – 100	AU-1138	30	0.5	2.0:1	75/75	2.9	2.9	2.9	20	15	125	3
10 – 100	AU-1149	15	0.5	1.5:1	75/75	4.5	5.5	6.0	18	15	80	2
10 – 200	AU-1552	10	0.5	2.0:1	75/75	4.5	4.8	5.0	19	15	85	1
10 – 200	AU-1576	12	0.5	1.5:1	75/50	9.0	9.0	9.0	13	15	180	2
10 – 200	AU-1360	44	0.5	2.0:1	75/75	1.8	2.0	2.2	18	15	140	4
20 – 200	AU-1127	29	0.25	2.0:1	75/75	1.3	1.3	1.3	7	15	50	2
50 – 90	AU-1552-70	10	0.25	1.5:1	75/75	4.5	4.5	4.5	20	15	85	1
50 – 90	AU-1574-70	12	0.25	1.5:1	75/75	4.5	4.5	4.5	18	15	85	1
50 – 90	AU-1576-70	12	0.25	1.3:1	75/50	9.0	9.0	9.0	13	15	180	2
50 – 90	AU-1440-70	13	0.25	1.5:1	75/75	8.0	8.0	8.0	23	15	230	15-2
50 – 90	AU-1001	15	0.25	1.3:1	75/75	5.0	5.0	5.0	18	15	65	10
50 – 90	AU-1303-70	15	0.2	1.5:1	75/50	4.0	4.0	4.0	10	15	40	1
50 – 90	AU-1149-70	15	0.2	1.5:1	75/75	5.0	5.0	5.0	19	15	85	2
50 – 90	AU-1127-70	29	0.2	1.5:1	75/75	1.3	1.3	1.3	7	15	55	2
50 – 90	AU-2A-1138	29	0.25	1.3:1	75/75	2.9	2.9	2.9	20	15	125	3
50 – 90	AU-1138-70	29	0.2	1.5:1	75/75	3.0	3.0	3.0	20	15	125	3
50 – 90	AU-2A-1127	30	0.25	1.3:1	75/75	1.4	1.4	1.4	7	15	50	2
50 – 90	AU-2A-1147	30	0.25	1.3:1	50/75	3.2	3.2	3.2	20	15	125	3
50 – 90	AU-1147-70	30	0.2	1.5:1	50/75	3.2	3.2	3.2	20	15	125	3
50 – 90	AU-2A-1360	45	0.25	1.3:1	75/75	2.0	2.0	2.0	20	15	140	4
50 – 90	AU-1360-70	45	0.2	1.5:1	75/75	2.0	2.0	2.0	20	15	140	4
100 – 180	AU-1552-140	10	0.25	1.5:1	75/75	5.0	5.0	5.0	20	15	85	1
100 – 180	AU-1576-140	12	0.25	1.3:1	75/50	9.0	9.0	9.0	14	15	180	2
100 – 180	AU-1541-140	24	0.2	1.5:1	75/75	2.5	2.5	2.5	20	15	180	2
100 – 180	AU-1293	29	0.25	1.3:1	75/75	1.5	1.5	1.5	7	15	55	2
100 – 180	AU-1127-140	29	0.2	1.5:1	75/75	1.3	1.3	1.3	7	15	55	2
100 – 180	AU-1092	29	0.25	1.3:1	75/75	3.2	3.2	3.2	18	15	125	3
100 – 180	AU-1092-140	29	0.2	1.5:1	75/75	3.2	3.2	3.2	19	15	125	3
100 – 180	AU-1360-140	45	0.2	1.5:1	75/75	2.0	2.0	2.0	19	15	140	4
100 – 180	AU-1575-140	54	0.25	1.5:1	50/75	2.0	2.0	2.0	15	15	225	4

SPECIAL APPLICATION AMPLIFIERS (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Max.)			P1 dB (dBm) (Min.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
						F ₁	F ₀	F ₂				
SATCOM AMPLIFIERS												
50 – 90	AU-1372-70	7	0.2	1.5:1	50/50	8.0	8.0	8.0	13	15	65	1
50 – 90	AU-1552-70	10	0.25	1.5:1	75/75	4.5	4.5	4.5	20	15	85	1
50 – 90	AU-1574-70	12	0.25	1.5:1	75/75	4.5	4.5	4.5	18	15	85	1
50 – 90	AU-1576-70	12	0.25	1.3:1	75/50	9.0	9.0	9.0	13	15	180	2
50 – 90	AU-1440-70	13	0.25	1.5:1	75/75	8.0	8.0	8.0	23	15	230	15-2
50 – 90	AU-1510-70	13	0.2	1.5:1	50/50	7.0	7.0	7.0	23	15	250	2
50 – 90	AU-1A-1049	14	0.25	1.3:1	50/50	2.8	2.8	2.8	10	15	40	1
50 – 90	AU-1049-70	14	0.2	1.5:1	50/50	2.7	2.7	2.7	10	15	40	1
50 – 90	AU-1001	15	0.25	1.3:1	75/75	5.0	5.0	5.0	18	15	65	10
50 – 90	AU-1362-70	15	0.25	1.5:1	50/50	4.0	4.0	4.0	20	15	80	2
50 – 90	AU-1303-70	15	0.2	1.5:1	75/50	4.0	4.0	4.0	10	15	40	1
50 – 90	AU-1149-70	15	0.2	1.5:1	75/75	5.0	5.0	5.0	19	15	85	2
50 – 90	AU-1A-1046	19	0.25	1.3:1	50/50	2.5	2.5	2.5	10	15	40	1
50 – 90	AU-1046-70	19	0.2	1.5:1	50/50	2.5	2.5	2.5	10	15	40	1
50 – 90	AU-1499-70	22	0.2	1.5:1	50/50	4.0	4.0	4.0	20	15	170	3
50 – 90	AU-1021-70	24	0.2	1.5:1	50/50	2.5	2.5	2.5	20	15	175	2
50 – 90	AU-1459-70	26	0.2	1.5:1	50/50	3.0	3.0	3.0	14	15	130	3
50 – 90	AU-1469-70	28	0.2	1.5:1	50/50	7.5	7.5	7.5	15	15	240	3
50 – 90	AU-1127-70	29	0.2	1.5:1	75/75	1.3	1.3	1.3	7	15	55	2
50 – 90	AU-2A-1138	29	0.25	1.3:1	75/75	2.9	2.9	2.9	20	15	125	3
50 – 90	AU-1138-70	29	0.2	1.5:1	75/75	3.0	3.0	3.0	20	15	125	3
50 – 90	AU-1376	30	0.25	1.3:1	50/50	2.7	2.7	2.7	20	15	125	10
50 – 90	AU-2A-1158	30	0.25	1.3:1	50/50	2.9	2.9	2.9	20	15	125	3
50 – 90	AU-2A-1288	30	0.5	1.5:1	50/50	3.0	3.0	3.0	17	15	120	10
50 – 90	AU-2A-1127	30	0.25	1.3:1	75/75	1.4	1.4	1.4	7	15	50	2
50 – 90	AU-1006-70	30	0.2	1.5:1	50/50	1.3	1.3	1.3	8	15	50	2
50 – 90	AU-1158-70	30	0.2	1.5:1	50/50	2.9	2.9	2.9	20	15	125	3
50 – 90	AU-2A-1147	30	0.25	1.3:1	50/75	3.2	3.2	3.2	20	15	125	3
50 – 90	AU-1147-70	30	0.2	1.5:1	50/75	3.2	3.2	3.2	20	15	125	3
50 – 90	AU-1093-70	32	0.2	1.5:1	50/50	3.0	3.0	3.0	18	15	135	3
50 – 90	AU-1466-70	35	0.25	1.5:1	50/50	1.2	1.2	1.2	7	15	45	2
50 – 90	AU-1571-70	38	0.2	1.5:1	50/50	1.3	1.3	1.3	18	15	225	3
50 – 90	AU-3A-1263	43	0.25	1.3:1	50/50	1.5	1.5	1.5	20	15	135	4
50 – 90	AU-1263-70	43	0.2	1.5:1	50/50	1.5	1.5	1.5	20	15	140	4
50 – 90	AU-1415-70	44	0.25	1.5:1	50/50	1.4	1.4	1.4	20	15	140	4
50 – 90	AU-1027-70	44	0.2	1.5:1	50/50	1.4	1.4	1.4	10	15	75	3
50 – 90	AU-2A-1360	45	0.25	1.3:1	75/75	2.0	2.0	2.0	20	15	140	4
50 – 90	AU-1360-70	45	0.2	1.5:1	75/75	2.0	2.0	2.0	20	15	140	4
50 – 90	AU-1204-70	52	0.2	1.5:1	50/50	2.0	2.0	2.0	20	15	130	3
50 – 90	AU-3A-1204	52	0.25	1.3:1	50/50	2.2	2.2	2.2	20	15	130	3
50 – 90	AU-1494-70	56	0.25	1.5:1	50/50	1.2	1.2	1.2	12	15	70	3
50 – 90	AU-1447-70	56	0.25	1.5:1	50/50	1.2	1.2	1.2	12	15	75	3
100 – 180	AU-1372-140	7	0.2	1.5:1	50/50	8.0	8.0	8.0	13	15	65	1
100 – 180	AU-1552-140	10	0.25	1.5:1	75/75	5.0	5.0	5.0	20	15	85	1
100 – 180	AU-1576-140	12	0.25	1.3:1	75/50	9.0	9.0	9.0	14	15	180	2
100 – 180	AU-1510-140	13	0.2	1.5:1	50/50	7.0	7.0	7.0	22	15	250	2
100 – 180	AU-1049-140	14	0.2	1.5:1	50/50	2.7	2.7	2.7	10	15	40	1
100 – 180	AU-1046-140	19	0.2	1.5:1	50/50	2.7	2.7	2.7	10	15	40	1
100 – 180	AU-1499-140	21	0.2	1.5:1	50/50	8.0	8.0	8.0	17	15	195	3
100 – 180	AU-1541-140	24	0.2	1.5:1	75/75	2.5	2.5	2.5	20	15	180	2
100 – 180	AU-1459-140	26	0.2	1.5:1	50/50	3.0	3.0	3.0	14	15	130	3
100 – 180	AU-1469-140	28	0.2	1.5:1	50/50	7.5	7.5	7.5	15	15	240	3
100 – 180	AU-1293	29	0.25	1.3:1	75/75	1.5	1.5	1.5	7	15	55	2
100 – 180	AU-1127-140	29	0.2	1.5:1	75/75	1.3	1.3	1.3	7	15	55	2
100 – 180	AU-1092	29	0.25	1.3:1	75/75	3.2	3.2	3.2	18	15	125	3
100 – 180	AU-1092-140	29	0.2	1.5:1	75/75	3.2	3.2	3.2	19	15	125	3
100 – 180	AU-1006-140	30	0.2	1.5:1	50/50	1.3	1.3	1.3	8	15	50	2
100 – 180	AU-1158-140	30	0.2	1.5:1	50/50	2.9	2.9	2.9	19	15	125	3
100 – 180	AU-1093-140	32	0.2	1.5:1	50/50	3.0	3.0	3.0	17	15	135	3
100 – 180	AU-1555-140	34	0.2	1.5:1	50/50	1.4	1.4	1.4	14	15	130	3
100 – 180	AU-1466-140	35	0.25	1.5:1	50/50	1.2	1.2	1.2	7	15	45	2
100 – 180	AU-1571-140	38	0.2	1.5:1	50/50	1.3	1.3	1.3	18	15	225	3
100 – 180	AU-1263-140	43	0.2	1.5:1	50/50	1.5	1.5	1.5	19	15	140	4
100 – 180	AU-1415-140	44	0.25	1.5:1	50/50	1.4	1.4	1.4	19	15	140	4
100 – 180	AU-1027-140	44	0.2	1.5:1	50/50	1.4	1.4	1.4	10	15	75	3
100 – 180	AU-1360-140	45	0.2	1.5:1	75/75	2.0	2.0	2.0	19	15	140	4
100 – 180	AU-1204-140	52	0.2	1.5:1	50/50	2.0	2.0	2.0	19	15	130	3
100 – 180	AU-1575-140	54	0.25	1.5:1	50/75	2.0	2.0	2.0	15	15	225	4
100 – 180	AU-1494-140	56	0.25	1.5:1	50/50	1.2	1.2	1.2	12	15	70	3