



MITEQ BIPOLAR AMPLIFIERS

Low Cost LNA's to 3GHz
Medium Power Amplifiers to 3Ghz
Narrowband and Wideband
Low Frequency Amplifiers
Fast Recovery NMR Applications
75 Ohm Amplifiers



AMPLIFIERS BY FREQUENCY

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
0.001-500	AU-1534	30	0.5	2.0:1	50/50	1.4	9	15	50	2
0.01-200	AU-1442	35	0.5	2.0:1	50/50	1.2	8	15	45	2
0.01-200	AU-1447	56	0.5	2.0:1	50/50	1.2	13	15	75	3
0.01-300	AU-1547	18	0.5	2.0:1	50/50	2.4	9	15	35	1
0.01-350	AU-1447-350	56	0.5	2.0:1	50/50	1.2	13	15	75	3
0.01-400	AU-1442-400	35	0.5	2.0:1	50/50	1.2	8	15	45	2
0.01-400	AU-1565	53	0.75	2.0:1	50/50	1.2	17	15	120	3
0.01-500	AU-1414	14	0.5	2.0:1	50/50	2.9	8	15	40	1
0.01-500	AU-1261	30	0.5	2.0:1	50/50	1.4	7	15	50	8
0.01-500	AU-1310	30	0.5	2.0:1	50/50	1.4	9	15	50	2
0.01-500	AU-1562	30	0.5	2.0:1	50/50	1.4	9	15	55	7
0.01-500	AU-1332	45	0.5	2.0:1	50/50	1.4	10	15	75	3
0.01-500	AU-1291	60	0.75	2.0:1	50/50	1.4	10	15	95	4
0.01-1000	AM-1616-1000	20	0.5	2.0:1	50/50	3.2	14	15	60	1
0.01-1000	AM-1297	25	0.75	2.0:1	50/50	1.6	6	15	55	8
0.01-1000	AM-1497	25	0.75	2.0:1	50/50	1.6	7	15	55	7
0.01-1000	AM-1300	27	0.75	2.0:1	50/50	1.6	8	15	55	2
0.01-1000	AM-1431	35	0.75	2.0:1	50/50	1.6	10	15	75	3
0.01-1000	AM-1607-1000	40	0.5	2.0:1	50/50	3.3	14	15	80	2
0.01-1000	AM-1309	50	1	2.0:1	50/50	1.6	10	15	90	4
0.01-1300	AM-1422	19	1	2.2:1	50/50	1.9	3	15	55	2
0.01-2000	AM-1616-2000	20	0.75	2.0:1	50/50	3.4	14	15	60	1
0.01-2000	AM-1607-2000	40	0.75	2.0:1	50/50	3.5	13	15	80	2
0.01-2500	AM-1616-2500	20	1	2.0:1	50/50	3.5	12	15	60	1
0.01-2500	AM-1607-2500	40	1	2.0:1	50/50	3.7	13	15	80	2
0.01-3000	AM-1616-3000	20	2	2.0:1	50/50	3.5	11	15	60	1
0.01-3000	AM-1607-3000	40	1.5	2.0:1	50/50	3.5	12	15	80	2
0.02-1000	AM-1551	38	1	2.0:1	50/50	1.6	16	15	130	3
0.05-1000	AMX-1320	24	1	2.2:1	50/50	1.7	7	15	55	11
0.1-250	AU-1559	11	0.5	2.0:1	50/50	4.2	18	15	70	1
0.1-1000	AM-1626-1000	20	0.75	2.0:1	50/50	3.6	17	15	95	1
0.1-2000	AM-1626-2000	20	1	2.0:1	50/50	3.7	16	15	95	1
0.2-400	AU-1583	36	0.5	2.0:1	50/50	1.2	7	15	45	2
0.3-100	AU-2A-0110	36	0.5	2.0:1	50/50	1.2	8	15	45	2
0.3-200	AU-1566	26	0.5	2.0:1	50/50	2.2	19	15	140	2
0.3-200	AU-3A-0120	44	0.5	2.0:1	50/50	1.3	11	15	70	3
0.3-500	AU-3A-0150	44	0.5	2.0:1	50/50	1.4	11	15	75	3
0.3-600	AU-1027	45	0.5	2.0:1	50/50	1.4	11	15	75	3
0.3-1000	AM-1326-3KHZ	27	0.75	2.0:1	50/50	3.5	16	15	130	8
0.3-1000	AM-1598	32	1	2.0:1	50/50	3.4	17	15	135	2
0.3-1000	AM-3A-000110	37	0.75	2.0:1	50/50	1.6	10	15	75	3
0.3-1000	AM-1578	44	0.75	2.0:1	50/50	1.6	16	15	130	3
0.3-1000	AM-1646	59	0.75	2.0:1	50/50	1.6	15	15	125	4
0.3-3000	AM-1594	51	3.5	2.0:1	50/50	3.3	18	15	195	3
0.7-200	AU-1557	35	0.5	2.2:1	50/50	1.2	7	15	45	11
0.7-200	AU-1579	35	0.5	2.0:1	50/50	1.2	7	15	45	2
0.7-400	AU-1557-400	35	0.75	2.2:1	50/50	1.2	7	15	45	11
1-100	AU-1337	30	0.5	1.5:1	50/50	2.9	21	15	130	3
1-100	AU-1490	32	0.5	2.0:1	50/50	2.9	21	15	140	3
1-100	AU-1189	33	0.5	2.0:1	50/50	1.2	7	15	40	8
1-100	AU-3A-0110	58	0.5	2.0:1	50/50	1.2	14	15	70	3
1-100	AU-4A-0110	59	0.5	2.0:1	50/50	1.2	10	15	95	4
1-180	AU-1288	30	0.5	2.0:1	50/50	2.8	19	15	120	10
1-200	AU-1A-0120	14	0.5	2.0:1	50/50	2.7	10	15	40	1
1-200	AU-1362	17	0.5	2.0:1	50/50	3.5	21	15	115	2
1-200	AU-1433	18	0.5	2.0:1	50/50	1.9	8	15	30	1
1-200	AU-1458	19	0.5	2.0:1	50/50	2.4	11	15	40	7
1-200	AU-1A-0520	19	0.5	2.0:1	50/50	2.4	11	15	40	1
1-200	AU-1337-200	30	0.5	2.0:1	50/50	2.9	21	15	130	3
1-200	AU-1369	30	0.5	2.0:1	50/50	2.6	20	15	120	3
1-200	AU-2A-0120	30	0.5	2.0:1	50/50	1.3	8	15	50	2
1-200	AU-1630	34	0.5	2.0:1	50/50	3	21	12	135	7
1-200	AU-1464	35	0.5	2.0:1	50/50	1.2	8	15	45	2
1-200	AU-1481	35	0.5	2.0:1	50/50	1.2	7	15	45	8
1-200	AU-1263	43	0.5	2.0:1	50/50	1.4	21	15	145	4
1-200	AU-1157	58	0.5	2.0:1	50/50	1.2	13	15	70	3
1-200	AU-1494	58	0.5	2.0:1	50/50	1.2	13	15	70	3
1-200	AU-1074	59	0.5	2.0:1	50/50	1.3	10	15	90	4
1-200	AU-4A-0120	60	0.5	2.0:1	50/50	1.3	10	15	95	4
1-300	AU-1384	11	0.5	2.2:1	50/50	5.2	20	15	85	1
1-300	AU-1378	17	0.5	2.0:1	50/50	1.9	0	6	10	1
1-300	AU-1558	18	0.5	2.0:1	50/50	2.5	11	15	40	11

AMPLIFIERS BY FREQUENCY (CONT.)

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1-300	AU-1046	19	0.5	2.0:1	50/50	2.5	10	15	40	1
1-300	AU-1055	32	0.5	2.0:1	50/50	1.2	7	15	40	2
1-300	AU-1415	44	0.5	2.0:1	50/50	1.3	19	15	135	4
1-300	AU-1045	45	0.5	2.0:1	50/50	1.3	20	15	145	3
1-300	AU-1157-300	58	0.5	2.0:1	50/50	1.2	13	15	70	3
1-300	AU-1519	58	0.5	2.0:1	50/50	1.2	13	15	75	3
1-300	AU-1494-300	58	0.5	2.0:1	50/50	1.2	13	15	70	3
1-300	AU-1338	73	0.75	2.0:1	50/50	1.4	15	15	120	4
1-400	AU-1421	24	0.5	2.0:1	50/50	2.8	18	15	150	2
1-400	AU-1478	24	0.5	2.0:1	50/50	2.8	18	15	150	7
1-400	AU-1462	26	0.5	2.0:1	50/50	2.2	15	15	150	2
1-400	AU-1055-400	32	0.5	2.0:1	50/50	1.2	8	15	45	2
1-400	AU-1625	32	0.75	2.0:1	50/50	2.5	20	15	160	7
1-400	AU-1481-400	34	0.5	2.0:1	50/50	1.2	7	15	45	8
1-400	AU-1464-400	35	0.5	2.0:1	50/50	1.2	8	15	45	2
1-400	AU-1586	45	0.5	2.0:1	50/50	1.3	20	15	155	3
1-500	AU-1067	14	0.5	2.0:1	50/50	3.1	10	15	40	7
1-500	AU-1387	14	0.5	2.0:1	50/50	2.4	7	15	30	1
1-500	AU-1A-0150	14	0.5	2.0:1	50/50	2.9	10	15	40	1
1-500	AU-1054	30	0.5	2.0:1	50/50	1.4	8	15	50	8
1-500	AU-1484	30	0.5	2.0:1	50/50	1.4	8	15	50	7
1-500	AU-2A-0150	30	0.5	2.0:1	50/50	1.4	8	15	50	2
1-500	AUX-1347	30	0.5	2.0:1	50/50	1.4	7	15	50	11
1-500	AU-1341	45	0.5	2.0:1	50/50	1.4	11	15	75	8
1-500	AU-4A-0150	60	0.75	2.0:1	50/50	1.4	10	15	90	4
1-600	AU-1006	30	0.5	2.0:1	50/50	1.4	8	15	50	2
1-600	AU-1014	60	0.75	2.0:1	50/50	1.4	10	15	95	4
1-1000	AM-1596-1000	12	0.5	2.0:1	50/50	4.5	20	15	130	7
1-1000	AM-1388	18	1	2.0:1	50/50	4.3	17	15	75	3
1-1000	AM-1539	18	1	2.0:1	50/50	4.3	17	15	75	2
1-1000	AM-1352-1000	20	0.5	2.0:1	50/50	3.6	17	15	95	1
1-1000	AM-1052	25	0.75	2.0:1	50/50	1.6	8	15	55	8
1-1000	AM-1342	25	0.75	2.0:1	50/50	1.6	6	15	55	7
1-1000	AM-2A-000110	26	0.75	2.0:1	50/50	1.6	8	15	55	2
1-1000	AM-1185-1000	28	0.5	2.0:1	50/50	3.4	12	15	115	2
1-1000	AM-1469	30	0.75	2.0:1	50/50	3.6	19	15	175	3
1-1000	AM-1601-1000	33	0.75	1.5:1	50/50	3.3	20	15	180	2
1-1000	AM-1299	35	0.75	2.0:1	50/50	1.6	9	15	75	8
1-1000	AM-1331	35	0.75	2.0:1	50/50	1.6	15	15	140	8
1-1000	AM-1412	35	0.75	2.0:1	50/50	1.6	15	15	140	3
1-1000	AM-1632	35	0.75	2.0:1	50/50	1.6	10	15	75	8
1-1000	AM-1533	40	0.75	2.0:1	50/50	1.6	16	15	140	3
1-1000	AM-4A-000110	50	1	2.0:1	50/50	1.6	10	15	95	4
1-1100	AM-1493	26	0.75	2.0:1	50/50	1.6	8	15	55	2
1-1500	AM-2A-000115	18	1	2.0:1	50/50	2.2	5	15	50	2
1-1500	AM-3A-000115	30	1.25	2.2:1	50/50	1.8	8	15	75	3
1-1500	AM-4A-000115	40	1.25	2.2:1	50/50	1.8	10	15	95	4
1-2000	AM-1455	-1	0.5	1.5:1	50/50	-	-	-	-	16
1-2000	AM-1523	-1	0.5	1.5:1	50/50	-	-	-	-	1
1-2000	AM-1649	11	1	2.0:1	50/50	5	15	15	80	7
1-2000	AM-1596-2000	12	1	2.0:1	50/50	4.5	20	15	130	7
1-2000	AM-1352-2000	20	0.75	2.0:1	50/50	3.7	15	15	95	1
1-2000	AM-1185-2000	28	1	2.0:1	50/50	3.5	10	15	115	2
1-2000	AM-1469-2000	30	1	2.0:1	50/50	3.6	18	15	175	3
1-2000	AM-1601-2000	33	1	2.0:1	50/50	3.4	20	15	180	2
1-2000	AM-1610	36	1	2.0:1	50/50	3.3	20	15	160	2
1-2500	AM-1352-2500	20	1	2.0:1	50/50	3.8	17	15	95	1
1-2500	AM-1185-2500	28	1.75	2.0:1	50/50	3.6	9	15	115	2
1-2500	AM-1601-2500	33	1.5	2.0:1	50/50	3.5	19	15	180	2
1-3000	AM-1596-3000	12	1.5	2.0:1	50/50	4.7	20	15	130	7
3-200	AU-1466	35	0.5	2.0:1	50/50	1.2	7	15	45	2
3-500	AU-1114	30	0.5	2.0:1	50/50	1.4	8	15	55	2
3-500	AU-1301	30	0.5	2.0:1	50/50	1.4	8	15	50	2
5-100	AU-1138	30	0.5	2.0:1	75/75	2.9	20	15	125	3
5-200	AUP-1568	26	0.75	2.0:1/3.5:1	50/50	3.5	27	15	325	15-3
5-200	AU-1612	28	0.5	2.0:1	50/50	2.5	19	15	150	2
5-200	AU-1480	50	0.5	2.0:1	50/50	1.2	11	15	75	3
5-300	AU-1561	22	0.5	2.0:1	50/50	4.7	23	15	230	2
5-300	AU-1021	24	0.5	2.0:1	50/50	2.8	21	15	175	2
5-300	AU-1525	61	0.5	2.0:1	50/50	1.2	20	15	225	4
5-400	AU-1322	24	0.5	2.0:1	50/50	2.6	21	15	165	2
5-400	AU-1466-400	35	0.5	2.0:1	50/50	1.2	7	15	45	2

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5-400	AU-1448	50	0.5	2.0:1	50/50	1.2	11	15	70	3
5-500	AU-1196-500	-5	0.5	2.0:1	50/50	-	-	15	23	7
5-500	AU-1611	14	0.5	2.0:1	50/50	2.9	10	15	40	1
5-500	AU-1327	30	0.5	2.0:1	50/50	1.4	8	15	50	8
5-500	AUP-1597	30	1.25	2.0:1/4.0:1	50/50	3.7	27	15	325	15-2
5-500	AU-1543	34	0.5	2.0:1	50/50	1.6	14	15	80	2
5-500	AU-1476	38	0.5	2.0:1	50/50	1.4	17	15	150	3
5-500	AUP-1224	40	0.75	2.0:1	50/50	2.2	21	15	180	3
5-500	AU-1313	44	0.5	2.0:1	50/50	1.4	10	15	70	3
5-600	AU-1467	60	1	2.0:1	50/50	1.4	9	15	95	4
5-1000	AU-1196-1000	-5	0.75	2.0:1	50/50	-	-	15	23	7
5-1000	AM-1062	18	0.75	2.0:1	50/50	3.4	12	15	85	8
5-1000	AM-1513	18	0.75	2.0:1	50/50	3.4	12	15	85	7
5-1000	AM-1524	18	0.75	2.0:1	50/50	3.4	12	15	85	2
5-1000	AM-1581	26	0.75	2.0:1	50/50	1.6	8	15	55	2
5-1000	AM-1604-1000	32	0.75	2.0:1	50/50	3.5	19	15	175	3
5-1000	AM-1475	36	0.75	2.0:1	50/50	1.6	15	15	150	3
5-1000	AM-1599-1000	39	0.75	2.0:1	50/50	3.1	14	15	100	2
5-1000	AM-1605	40	0.75	2.0:1	50/50	3.4	20	15	235	2
5-1000	AM-1622-1000	41	0.75	2.0:1	50/50	3.1	17	15	130	2
5-1000	AM-1580	52	0.75	2.0:1	50/50	1.5	20	15	200	3
5-1500	AM-2A-000515	18	1	2.0:1	50/50	2.2	5	15	50	2
5-1500	AM-3A-000515	30	1.25	2.2:1	50/50	1.8	8	15	75	3
5-1500	AM-4A-000515	41	1.25	2.2:1	50/50	1.8	10	15	95	4
5-2000	AM-1573	16	1.5	2.0:1	50/50	4.5	20	15	125	1
5-2000	AM-1604-2000	32	1	2.0:1	50/50	3.5	18	15	175	3
5-2000	AM-1599-2000	39	1	2.0:1	50/50	3.3	14	15	100	2
5-2000	AM-1622-2000	41	0.75	2.0:1	50/50	3.3	17	15	130	2
5-2500	AM-1599-2500	39	1.5	2.0:1	50/50	3.4	13	15	100	2
5-2500	AM-1622-2500	41	1	2.0:1	50/50	3.4	16	15	130	2
5-3000	AM-1604-3000	31	2.5	2.0:1	50/50	3.8	17	15	175	3
10-100	AU-1149	15	0.5	1.5:1	75/75	5.5	20	15	80	2
10-200	AU-1552	10	0.5	2.0:1	75/75	4.8	19	15	85	1
10-200	AU-1360	44	0.5	2.0:1	75/75	2	20	15	140	4
10-300	AU-1350	9	0.5	2.0:1	50/50	2.2	9	15	40	7
10-300	AUP-1383	35	1.5	2.0:1	50/50	2.5	30	21	670	13
10-300	AUP-1382	40	1.5	2.0:1	50/50	2.5	30	21	630	13
10-500	AU-1372	7	0.5	2.0:1	50/50	8	13	15	65	1
10-500	AU-1102	11	0.5	2.2:1	50/50	1.9	-4	15	18	7
10-500	AU-1426	11	0.5	2.0:1	50/50	1.8	-5	15	20	1
10-500	AUP-1374	30	1	1.5:1	50/50	5	30	21	550	13
10-500	AUP-1542	42	1	2.0:1	50/50	3	30	21	550	13
10-1000	AMP-1389	13	1	2.0:1	50/50	10	29	21	525	13
10-1000	AMP-1380	21	1.5	2.0:1	50/50	6.8	29	21	625	13
10-1000	AM-1571	38	0.75	2.0:1	50/50	1.6	18	15	225	3
10-1000	AM-1591-1000	50	0.75	2.0:1	50/50	3.2	21	15	195	15-3
10-2000	AM-1591-2000	50	1.25	2.0:1	50/50	3.4	21	15	195	15-3
10-2500	AM-1591-2500	50	1.5	2.0:1	50/50	3.5	20	15	195	15-3
20-180	AU-1214	15	0.5	2.0:1	50/50	4.5	18	15	85	10
20-200	AU-1127	29	0.25	2.0:1	75/75	1.3	8	15	50	2
20-200	AU-1158	30	0.5	2.0:1	50/50	2.9	20	15	125	3
20-200	AU-2A-1376	30	0.5	2.0:1	50/50	2.7	19	15	125	10
20-200	AU-1204	50	0.5	2.0:1	50/50	2.1	19	15	130	3
20-1000	AM-1618-1000	21	0.5	2.0:1	50/50	3.1	14	15	60	1
20-1000	AM-1627-1000	25	0.5	2.0:1	50/50	4	19	15	220	2
20-1000	AM-1326	26	0.75	2.0:1	50/50	3.5	16	15	130	8
20-1000	AM-1430	31	0.75	2.0:1	50/50	1.8	15	15	140	3
20-2000	AM-1618-2000	21	0.75	2.0:1	50/50	3.4	14	15	60	1
20-2000	AM-1627-2000	25	1	2.0:1	50/50	4.2	19	15	220	2
20-2500	AM-1618-2500	21	1	2.0:1	50/50	3.5	13	15	60	1
20-2500	AM-1627-2500	25	1	2.0:1	50/50	4.2	18	15	220	2
20-3000	AM-1526	13	1	2.0:1	50/50	4.5	21	15	130	1
20-3000	AM-1618-3000	20	1.5	2.0:1	50/50	3.6	13	15	60	1
20-3000	AM-1367	38	1.25	2.2:1	50/50	6	18	15	260	3
25-1500	AM-1372-1500	7	1	2.0:1	50/50	7	11	15	65	1
30-500	AU-1340	35	0.5	2.0:1	50/50	2.2	20	15	240	3
30-1000	AM-1652-1000	41	0.5	2.0:1	50/50	3.1	14	15	100	2
30-2000	AM-1652-2000	41	1	2.0:1	50/50	3.2	13	15	100	2
30-2500	AM-1652-2500	41	1.5	2.0:1	50/50	3.4	12	15	100	2
30-3000	AM-1652-3000	41	1.75	2.0:1	50/50	3.4	11	15	100	2
50-90	AU-1372-70	7	0.2	1.5:1	50/50	8	13	15	65	1
50-90	AU-1552-70	10	0.25	1.5:1	75/75	4.5	20	15	85	1

AMPLIFIERS BY FREQUENCY (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
50-90	AU-1049-75-70	12	0.25	1.5:1	75/75	3	10	15	40	1
50-90	AU-1574-70	12	0.25	1.5:1	75/75	4.5	18	15	85	1
50-90	AU-1510-70	13	0.2	1.5:1	50/50	7	23	15	250	2
50-90	AU-1538-70	13	0.2	1.5:1	50/50	7	18	15	165	2
50-90	AU-1049-70	14	0.2	1.5:1	50/50	2.7	10	15	40	1
50-90	AU-1A-1049	14	0.25	1.3:1	50/50	2.8	10	15	40	1
50-90	AU-1149-70	15	0.2	1.5:1	75/75	5	20	15	85	2
50-90	AU-1362-70	17	0.25	1.5:1	50/50	3.5	21	15	115	2
50-90	AU-1046-70	19	0.2	1.5:1	50/50	2.5	10	15	40	1
50-90	AU-1A-1046	19	0.25	1.3:1	50/50	2.5	10	15	40	1
50-90	AU-1616-70	20	0.2	1.3:1	50/50	3.2	14	15	60	1
50-90	AU-1499-70	22	0.2	1.5:1	50/50	4	20	15	170	3
50-90	AU-1021-70	24	0.2	1.5:1	50/50	2.5	20	15	175	2
50-90	AU-1459-70	26	0.2	1.5:1	50/50	3	15	15	130	3
50-90	AU-1469-70	28	0.2	1.5:1	50/50	7.5	20	15	240	3
50-90	AU-1612-70	28	0.2	1.5:1	50/50	2	19	15	150	2
50-90	AU-1127-70	29	0.2	1.5:1	75/75	1.3	8	15	55	2
50-90	AU-1138-70	29	0.2	1.5:1	75/75	3	20	15	125	3
50-90	AU-2A-1138	29	0.25	1.3:1	75/75	2.9	20	15	125	3
50-90	AU-1006-70	30	0.2	1.5:1	50/50	1.3	8	15	50	2
50-90	AU-1147-70	30	0.2	1.5:1	50/75	3.2	20	15	125	3
50-90	AU-1158-70	30	0.2	1.5:1	50/50	2.9	20	15	125	3
50-90	AU-1376	30	0.25	1.3:1	50/50	2.7	20	15	125	10
50-90	AU-2A-1127	30	0.25	1.3:1	75/75	1.4	8	15	50	2
50-90	AU-2A-1147	30	0.25	1.3:1	50/75	3.2	20	15	125	3
50-90	AU-2A-1158	30	0.25	1.3:1	50/50	2.9	20	15	125	3
50-90	AU-2A-1288	30	0.5	1.5:1	50/50	3	17	15	120	10
50-90	AU-1093-70	32	0.2	1.5:1	50/50	3	20	15	135	3
50-90	AU-1466-70	35	0.25	1.5:1	50/50	1.2	7	15	45	2
50-90	AU-1571-70	38	0.2	1.5:1	50/50	1.3	18	15	225	3
50-90	AU-1263-70	43	0.2	1.5:1	50/50	1.5	20	15	140	4
50-90	AU-3A-1263	43	0.25	1.3:1	50/50	1.5	20	15	135	4
50-90	AU-1027-70	44	0.2	1.5:1	50/50	1.4	11	15	75	3
50-90	AU-1415-70	44	0.25	1.5:1	50/50	1.4	20	15	140	4
50-90	AU-1360-70	45	0.2	1.5:1	75/75	2	20	15	140	4
50-90	AU-2A-1360	45	0.25	1.3:1	75/75	2	20	15	140	4
50-90	AU-1204-70	52	0.2	1.5:1	50/50	2	20	15	130	3
50-90	AU-3A-1204	52	0.25	1.3:1	50/50	2.2	20	15	130	3
50-90	AU-1447-70	56	0.25	1.5:1	50/50	1.2	13	15	75	3
50-90	AU-1494-70	58	0.25	1.5:1	50/50	1.2	14	15	70	3
50-300	AU-1344	14	0.25	2.0:1	50/50	2.8	11	15	40	1
50-350	AU-1210	18	0.5	2.0:1	50/50	2.7	10	15	40	1
50-500	AU-1537	25	1	2.0:1	50/50	5	23	15	290	3
50-500	AU-1459	26	0.5	2.0:1	50/50	3.1	15	15	120	3
50-1000	AM-1510	13	1.25	2.0:1	50/50	7	22	15	250	2
50-1000	AM-1538	13	1	2.0:1	50/50	7	18	15	165	2
50-1000	AMP-1381	30	1.5	2.0:1	50/50	4	29	21	660	13
50-1000	AMP-1512	36	1.75	2.0:1	50/50	4.5	29	21	750	13
50-1200	AM-1141	10	1	2.0:1	50/50	6	9	15	45	7
50-3000	AM-1373	30	2	2.0:1	50/50	5	19	15	190	15-2
50-3000	AM-1554	33	2	2.0:1	50/50	5	20	15	400	15-3
100-180	AU-1372-140	7	0.2	1.5:1	50/50	8	13	15	65	1
100-180	AU-1552-140	10	0.25	1.5:1	75/75	5	19	15	85	1
100-180	AU-1049-75-140	12	0.25	1.5:1	75/75	3.8	10	15	40	1
100-180	AU-1510-140	13	0.2	1.5:1	50/50	7	22	15	250	2
100-180	AU-1538-140	13	0.2	1.5:1	50/50	7	18	15	165	2
100-180	AU-1049-140	14	0.2	1.5:1	50/50	2.7	10	15	40	1
100-180	AU-1149-140	15	0.2	1.5:1	75/75	6	20	15	85	2
100-180	AU-1046-140	19	0.2	1.5:1	50/50	2.7	10	15	40	1
100-180	AU-1616-140	20	0.2	1.3:1	50/50	3.2	14	15	60	1
100-180	AU-1499-140	22	0.2	1.5:1	50/50	4	20	15	170	3
100-180	AU-1541-140	24	0.2	1.5:1	75/75	2.5	20	15	180	2
100-180	AU-1459-140	26	0.2	1.5:1	50/50	3	15	15	130	3
100-180	AU-1469-140	28	0.2	1.5:1	50/50	7.5	20	15	240	3
100-180	AU-1092	29	0.25	1.3:1	75/75	3.2	20	15	125	3
100-180	AU-1092-140	29	0.2	1.5:1	75/75	3.2	20	15	125	3
100-180	AU-1127-140	29	0.2	1.5:1	75/75	1.3	8	15	55	2
100-180	AU-1293	29	0.25	1.3:1	75/75	1.5	8	15	55	2
100-180	AU-1006-140	30	0.2	1.5:1	50/50	1.3	8	15	50	2
100-180	AU-1158-140	30	0.2	1.5:1	50/50	2.9	20	15	125	3
100-180	AU-1093-140	32	0.2	1.5:1	50/50	3	20	15	135	3
100-180	AU-1555-140	34	0.2	1.5:1	50/50	1.4	14	15	130	3

AMPLIFIERS BY FREQUENCY (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
100-180	AU-1466-140	35	0.25	1.5:1	50/50	1.2	7	15	45	2
100-180	AU-1571-140	38	0.2	1.5:1	50/50	1.3	18	15	225	3
100-180	AU-1263-140	43	0.2	1.5:1	50/50	1.5	20	15	140	4
100-180	AU-1027-140	44	0.2	1.5:1	50/50	1.4	11	15	75	3
100-180	AU-1415-140	44	0.25	1.5:1	50/50	1.4	19	15	140	4
100-180	AU-1360-140	45	0.2	1.5:1	75/75	2	20	15	140	4
100-180	AU-1204-140	52	0.2	1.5:1	50/50	2	19	15	130	3
100-180	AU-1575-140	54	0.25	1.5:1	50/75	2	15	15	225	4
100-180	AU-1494-140	58	0.25	1.5:1	50/50	1.2	14	15	70	3
100-450	AU-2A-1045	30	0.5	1.5:1	50/50	1.5	7	15	50	2
100-450	AU-3A-1045	44	0.5	1.5:1	50/50	1.5	11	15	75	3
100-550	AU-1330	7	0.5	2.0:1	50/50	6.5	23	15	135	2
100-1000	AM-1641	27	1.5	2.0:1	50/50	1.9	25	15	310	15-2
100-1000	AM-1358	30	0.5	2.0:1	50/50	4	20	15	215	2
100-1000	AM-1530	35	0.5	2.0:1	50/50	3.1	20	15	160	2
100-3000	AM-1544	20	1	2.0:1	50/50	5	20	15	360	15-2
200-300	AU-1180	40	0.25	1.5:1	50/50	1.4	11	15	80	3
200-1000	AM-1635-1000	14	0.5	2.0:1	50/50	3.3	27	15	235	7H
200-1000	AM-1631-1000	37	0.5	2.0:1	50/50	3.6	27	15	320	15-2
200-2000	AM-1635-2000	13	0.75	2.2:1	50/50	3.4	27	15	235	7H
200-2000	AM-1569	20	1.5	2.2:1	50/50	4.3	16	15	210	2
200-2000	AM-1645	26	4	2.0:1	50/50	2	15	15	150	2
200-2000	AM-1602	30	1	2.0:1	50/50	5.6	19	15	195	15-2
200-2000	AM-1631-2000	37	1	2.0:1	50/50	3.8	27	15	320	15-2
200-2500	AM-1635-2500	13	1	2.2:1	50/50	3.5	27	15	235	7H
200-2500	AM-1631-2500	36	1.5	2.0:1	50/50	4	27	15	320	15-2
200-3000	AM-1636	8		2.0:1	50/50	1.7	20	15	90	1
200-3000	AM-1635-3000	12	1.75	2.2:1	50/50	3.6	26	15	235	7H
225-400	AU-1501	35	0.25	2.0:1	50/50	2	22	15	240	3
250-2500	AM-1614	46	1.5	2.0:1	50/50	3.4	19	15	240	3
500-1000	AM-2A-0510	24	0.5	2.0:1	50/50	1.5	3	15	50	2
500-1000	AM-1518	30	0.5	2.0:1	50/50	2	15	15	155	3
500-1000	AM-1409	38	0.5	2.2:1	50/50	2.2	22	15	280	4
500-1000	AM-3A-0510	38	0.5	2.0:1	50/50	1.5	11	15	80	3
500-1000	AM-1556-0510	39	0.5	2.0:1	50/50	1.5	11	15	140	4
500-1000	AMP-1502	41	0.5	2.0:1	50/50	2.2	21	15	250	4
500-1000	AM-4A-0510	53	0.5	2.0:1	50/50	1.5	12	15	90	4
500-1500	AM-2A-0515	19	0.5	2.0:1	50/50	1.8	2	15	50	2
500-1500	AM-3A-0515	29	0.5	2.2:1/2.0:1	50/50	1.8	10	15	85	3
500-1500	AM-4A-0515	40	0.75	2.0:1	50/50	1.8	12	15	95	4
500-1500	AM-5A-0515	50	0.75	2.0:1	50/50	1.8	12	15	90	5
500-2000	AM-1522	11	1.25	2.0:1	50/50	2.7	17	15	110	1
500-2000	AM-2A-0520	18	0.75	2.2:1	50/50	1.9	3	15	50	2
500-2000	AM-3A-0520	29	0.75	2.2:1/2.0:1	50/50	1.9	12	15	85	3
500-2000	AM-1556-0520	39	0.75	2.0:1	50/50	1.9	12	15	140	4
500-2000	AM-4A-0520	40	1	2.0:1	50/50	1.9	12	15	95	4
500-2000	AM-5A-0520	50	1.25	2.0:1	50/50	1.9	12	15	90	5
800-2000	AM-1617	29	0.75	2.0:1	50/50	1.9	12	15	75	3
900-940	AM-1628-920	37	0.5	2.2:1	50/50	4	27	12	370	15-2
1000-1500	AM-2A-1015	19	0.5	2.0:1	50/50	2	5	15	50	2
1000-1500	AM-1396	25	0.5	2.0:1	50/50	2	14	15	150	3
1000-1500	AM-3A-1015	29	0.5	2.0:1	50/50	2	12	15	85	3
1000-1500	AM-1312	33	1	2.2:1	50/50	3	22	15	210	3
1000-1500	AM-1556-1015	39	0.5	2.0:1	50/50	2	12	15	140	4
1000-1500	AM-4A-1015	40	0.5	2.0:1	50/50	2	12	15	95	4
1000-2000	AM-2A-1020	19	0.5	2.0:1	50/50	2.1	7	15	50	2
1000-2000	AM-1486	25	0.75	2.0:1	50/50	2.1	13	15	95	3
1000-2000	AM-3A-1020	29	0.5	2.0:1	50/50	2.1	13	15	85	3
1000-2000	AM-1477	37	1	2.0:1	50/50	2.1	16	15	140	3
1000-2000	AM-4A-1020	40	0.75	2.0:1	50/50	2.1	12	15	95	4
1000-2000	AM-5A-1020	50	1	2.0:1	50/50	2.1	12	15	90	5

ANCILLARY EQUIPMENT

FREQUENCY (MHz)	MODEL NUMBER	GAIN	VAR.	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE			P1 dB	NOM. DC POWER (mA)	OUTLINE NO.
		(dB) (Min.)	(±dB) (Max.)			(dB, Max.) F ₁ F ₀ F ₂	(dBm) (Min.)	VOLTS			
BIAS TEE											
1-2000	AM-1455	-1	0.5	1.5:1	50/50	-	-	-	-	-	16
1-2000	AM-1523	-1	0.5	1.5:1	50/50	-	-	-	-	-	1

MEDIUM POWER AMPLIFIERS

FREQUENCY (MHz)	MODEL NUMBER	GAIN	VAR.	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB	NOM. DC POWER (mA)	OUTLINE NO.	
		(dB) (Min.)	(±dB) (Max.)				(dBm) (Typ.)			VOLTS
0.1-250	AU-1559	11	0.5	2.0:1	50/50	4.2	18	15	70	1
0.1-1000	AM-1626-1000	20	0.75	2.0:1	50/50	3.6	17	15	95	1
0.3-200	AU-1566	26	0.5	2.0:1	50/50	2.2	19	15	140	2
0.3-1000	AM-1326-3KHZ	27	0.75	2.0:1	50/50	3.5	16	15	130	8
0.3-1000	AM-1598	32	1	2.0:1	50/50	3.4	17	15	135	2
0.3-1000	AM-1578	44	0.75	2.0:1	50/50	1.6	16	15	130	3
0.3-1000	AM-1646	59	0.75	2.0:1	50/50	1.6	15	15	125	4
0.3-3000	AM-1594	51	3.5	2.0:1	50/50	3.3	18	15	195	3
1-100	AU-1337	30	0.5	1.5:1	50/50	2.9	21	15	130	3
1-100	AU-1490	32	0.5	2.0:1	50/50	2.9	21	15	140	3
1-180	AU-1288	30	0.5	2.0:1	50/50	2.8	19	15	120	10
1-200	AU-1362	17	0.5	2.0:1	50/50	3.5	21	15	115	2
1-200	AU-1337-200	30	0.5	2.0:1	50/50	2.9	21	15	130	3
1-200	AU-1369	30	0.5	2.0:1	50/50	2.6	20	15	120	3
1-200	AU-1630	34	0.5	2.0:1	50/50	3	21	12	135	7
1-200	AU-1263	43	0.5	2.0:1	50/50	1.4	21	15	145	4
1-300	AU-1384	11	0.5	2.2:1	50/50	5.2	20	15	85	1
1-300	AU-1415	44	0.5	2.0:1	50/50	1.3	19	15	135	4
1-300	AU-1045	45	0.5	2.0:1	50/50	1.3	20	15	145	3
1-300	AU-1338	73	0.75	2.0:1	50/50	1.4	15	15	120	4
1-400	AU-1421	24	0.5	2.0:1	50/50	2.8	18	15	150	2
1-400	AU-1478	24	0.5	2.0:1	50/50	2.8	18	15	150	7
1-400	AU-1462	26	0.5	2.0:1	50/50	2.2	15	15	150	2
1-400	AU-1625	32	0.75	2.0:1	50/50	2.5	20	15	160	7
1-400	AU-1586	45	0.5	2.0:1	50/50	1.3	20	15	155	3
1-1000	AM-1596-1000	12	0.5	2.0:1	50/50	4.5	20	15	130	7
1-1000	AM-1388	18	1	2.0:1	50/50	4.3	17	15	75	3
1-1000	AM-1539	18	1	2.0:1	50/50	4.3	17	15	75	2
1-1000	AM-1352-1000	20	0.5	2.0:1	50/50	3.6	17	15	95	1
1-1000	AM-1469	30	0.75	2.0:1	50/50	3.6	19	15	175	3
1-1000	AM-1601-1000	33	0.75	1.5:1	50/50	3.3	20	15	180	2
1-1000	AM-1533	40	0.75	2.0:1	50/50	1.6	16	15	140	3
1-2000	AM-1649	11	1	2.0:1	50/50	5	15	15	80	7
1-2000	AM-1596-2000	12	1	2.0:1	50/50	4.5	20	15	130	7
1-2000	AM-1352-2000	20	0.75	2.0:1	50/50	3.7	15	15	95	1
1-2000	AM-1469-2000	30	1	2.0:1	50/50	3.6	18	15	175	3
1-2000	AM-1601-2000	33	1	2.0:1	50/50	3.4	20	15	180	2
1-2000	AM-1610	36	1	2.0:1	50/50	3.3	20	15	160	2
1-2500	AM-1601-2500	33	1.5	2.0:1	50/50	3.5	19	15	180	2
1-3000	AM-1596-3000	12	1.5	2.0:1	50/50	4.7	20	15	130	7
5-100	AU-1138	30	0.5	2.0:1	75/75	2.9	20	15	125	3
5-200	AUP-1568	26	0.75	2.0:1/3.5:1	50/50	3.5	27	15	325	15-3
5-200	AU-1612	28	0.5	2.0:1	50/50	2.5	19	15	150	2
5-300	AU-1561	22	0.5	2.0:1	50/50	4.7	23	15	230	2
5-300	AU-1021	24	0.5	2.0:1	50/50	2.8	21	15	175	2
5-300	AU-1525	61	0.5	2.0:1	50/50	1.2	20	15	225	4
5-400	AU-1322	24	0.5	2.0:1	50/50	2.6	21	15	165	2
5-500	AUP-1597	30	1.25	2.0:1/4.0:1	50/50	3.7	27	15	325	15-2
5-500	AU-1476	38	0.5	2.0:1	50/50	1.4	17	15	150	3
5-500	AUP-1224	40	0.75	2.0:1	50/50	2.2	21	15	180	3
5-1000	AM-1604-1000	32	0.75	2.0:1	50/50	3.5	19	15	175	3
5-1000	AM-1475	36	0.75	2.0:1	50/50	1.6	15	15	150	3
5-1000	AM-1605	40	0.75	2.0:1	50/50	3.4	20	15	235	2
5-1000	AM-1622-1000	41	0.75	2.0:1	50/50	3.1	17	15	130	2
5-1000	AM-1580	52	0.75	2.0:1	50/50	1.5	20	15	200	3

MEDIUM POWER AMPLIFIERS (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
5-2000	AM-1573	16	1.5	2.0:1	50/50	4.5	20	15	125	1
5-2000	AM-1604-2000	32	1	2.0:1	50/50	3.5	18	15	175	3
5-2000	AM-1622-2000	41	0.75	2.0:1	50/50	3.3	17	15	130	2
5-3000	AM-1604-3000	31	2.5	2.0:1	50/50	3.8	17	15	175	3
10-100	AU-1149	15	0.5	1.5:1	75/75	5.5	20	15	80	2
10-200	AU-1552	10	0.5	2.0:1	75/75	4.8	19	15	85	1
10-200	AU-1360	44	0.5	2.0:1	75/75	2	20	15	140	4
10-300	AUP-1383	35	1.5	2.0:1	50/50	2.5	30	21	670	13
10-300	AUP-1382	40	1.5	2.0:1	50/50	2.5	30	21	630	13
10-500	AUP-1374	30	1	1.5:1	50/50	5	30	21	550	13
10-500	AUP-1542	42	1	2.0:1	50/50	3	30	21	550	13
10-1000	AMP-1389	13	1	2.0:1	50/50	10	29	21	525	13
10-1000	AMP-1380	21	1.5	2.0:1	50/50	6.8	29	21	625	13
10-1000	AM-1571	38	0.75	2.0:1	50/50	1.6	18	15	225	3
10-1000	AM-1591-1000	50	0.75	2.0:1	50/50	3.2	21	15	195	15-3
10-2000	AM-1591-2000	50	1.25	2.0:1	50/50	3.4	21	15	195	15-3
10-2500	AM-1591-2500	50	1.5	2.0:1	50/50	3.5	20	15	195	15-3
20-180	AU-1214	15	0.5	2.0:1	50/50	4.5	18	15	85	10
20-200	AU-1158	30	0.5	2.0:1	50/50	2.9	20	15	125	3
20-200	AU-2A-1376	30	0.5	2.0:1	50/50	2.7	19	15	125	10
20-200	AU-1204	50	0.5	2.0:1	50/50	2.1	19	15	130	3
20-1000	AM-1627-1000	25	0.5	2.0:1	50/50	4	19	15	220	2
20-1000	AM-1326	26	0.75	2.0:1	50/50	3.5	16	15	130	8
20-1000	AM-1430	31	0.75	2.0:1	50/50	1.8	15	15	140	3
20-2000	AM-1627-2000	25	1	2.0:1	50/50	4.2	19	15	220	2
20-2500	AM-1627-2500	25	1	2.0:1	50/50	4.2	18	15	220	2
20-3000	AM-1526	13	1	2.0:1	50/50	4.5	21	15	130	1
20-3000	AM-1367	38	1.25	2.2:1	50/50	6	18	15	260	3
30-500	AU-1340	35	0.5	2.0:1	50/50	2.2	20	15	240	3
50-90	AU-1552-70	10	0.25	1.5:1	75/75	4.5	20	15	85	1
50-90	AU-1574-70	12	0.25	1.5:1	75/75	4.5	18	15	85	1
50-90	AU-1510-70	13	0.2	1.5:1	50/50	7	23	15	250	2
50-90	AU-1538-70	13	0.2	1.5:1	50/50	7	18	15	165	2
50-90	AU-1149-70	15	0.2	1.5:1	75/75	5	20	15	85	2
50-90	AU-1362-70	17	0.25	1.5:1	50/50	3.5	21	15	115	2
50-90	AU-1499-70	22	0.2	1.5:1	50/50	4	20	15	170	3
50-90	AU-1021-70	24	0.2	1.5:1	50/50	2.5	20	15	175	2
50-90	AU-1469-70	28	0.2	1.5:1	50/50	7.5	20	15	240	3
50-90	AU-1612-70	28	0.2	1.5:1	50/50	2	19	15	150	2
50-90	AU-1138-70	29	0.2	1.5:1	75/75	3	20	15	125	3
50-90	AU-2A-1138	29	0.25	1.3:1	75/75	2.9	20	15	125	3
50-90	AU-1147-70	30	0.2	1.5:1	50/75	3.2	20	15	125	3
50-90	AU-1158-70	30	0.2	1.5:1	50/50	2.9	20	15	125	3
50-90	AU-1376	30	0.25	1.3:1	50/50	2.7	20	15	125	10
50-90	AU-2A-1147	30	0.25	1.3:1	50/75	3.2	20	15	125	3
50-90	AU-2A-1158	30	0.25	1.3:1	50/50	2.9	20	15	125	3
50-90	AU-2A-1288	30	0.5	1.5:1	50/50	3	17	15	120	10
50-90	AU-1093-70	32	0.2	1.5:1	50/50	3	20	15	135	3
50-90	AU-1571-70	38	0.2	1.5:1	50/50	1.3	18	15	225	3
50-90	AU-1263-70	43	0.2	1.5:1	50/50	1.5	20	15	140	4
50-90	AU-3A-1263	43	0.25	1.3:1	50/50	1.5	20	15	135	4
50-90	AU-1415-70	44	0.25	1.5:1	50/50	1.4	20	15	140	4
50-90	AU-1360-70	45	0.2	1.5:1	75/75	2	20	15	140	4
50-90	AU-2A-1360	45	0.25	1.3:1	75/75	2	20	15	140	4
50-90	AU-1204-70	52	0.2	1.5:1	50/50	2	20	15	130	3
50-90	AU-3A-1204	52	0.25	1.3:1	50/50	2.2	20	15	130	3
50-500	AU-1537	25	1	2.0:1	50/50	5	23	15	290	3
50-500	AU-1459	26	0.5	2.0:1	50/50	3.1	15	15	120	3
50-1000	AM-1510	13	1.25	2.0:1	50/50	7	22	15	250	2
50-1000	AM-1538	13	1	2.0:1	50/50	7	18	15	165	2
50-1000	AMP-1381	30	1.5	2.0:1	50/50	4	29	21	660	13
50-1000	AMP-1512	36	1.75	2.0:1	50/50	4.5	29	21	750	13
50-3000	AM-1373	30	2	2.0:1	50/50	5	19	15	190	15-2
50-3000	AM-1554	33	2	2.0:1	50/50	5	20	15	400	15-3
100-180	AU-1552-140	10	0.25	1.5:1	75/75	5	19	15	85	1
100-180	AU-1510-140	13	0.2	1.5:1	50/50	7	22	15	250	2
100-180	AU-1538-140	13	0.2	1.5:1	50/50	7	18	15	165	2
100-180	AU-1149-140	15	0.2	1.5:1	75/75	6	20	15	85	2
100-180	AU-1499-140	22	0.2	1.5:1	50/50	4	20	15	170	3
100-180	AU-1541-140	24	0.2	1.5:1	75/75	2.5	20	15	180	2
100-180	AU-1469-140	28	0.2	1.5:1	50/50	7.5	20	15	240	3
100-180	AU-1092	29	0.25	1.3:1	75/75	3.2	20	15	125	3

MEDIUM POWER AMPLIFIERS (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
100-180	AU-1092-140	29	0.2	1.5:1	75/75	3.2	20	15	125	3
100-180	AU-1158-140	30	0.2	1.5:1	50/50	2.9	20	15	125	3
100-180	AU-1093-140	32	0.2	1.5:1	50/50	3	20	15	135	3
100-180	AU-1571-140	38	0.2	1.5:1	50/50	1.3	18	15	225	3
100-180	AU-1263-140	43	0.2	1.5:1	50/50	1.5	20	15	140	4
100-180	AU-1415-140	44	0.25	1.5:1	50/50	1.4	19	15	140	4
100-180	AU-1360-140	45	0.2	1.5:1	75/75	2	20	15	140	4
100-180	AU-1204-140	52	0.2	1.5:1	50/50	2	19	15	130	3
100-180	AU-1575-140	54	0.25	1.5:1	50/75	2	15	15	225	4
100-550	AU-1330	7	0.5	2.0:1	50/50	6.5	23	15	135	2
100-1000	AM-1358	30	0.5	2.0:1	50/50	4	20	15	215	2
100-1000	AM-1530	35	0.5	2.0:1	50/50	3.1	20	15	160	2
100-3000	AM-1544	20	1	2.0:1	50/50	5	20	15	360	15-2
200-1000	AM-1635-1000	14	0.5	2.0:1	50/50	3.3	27	15	235	7H
200-1000	AM-1631-1000	37	0.5	2.0:1	50/50	3.6	27	15	230	15-2
200-2000	AM-1635-2000	13	0.75	2.2:1	50/50	3.4	27	15	235	7H
200-2000	AM-1645	26	4	2.0:1	50/50	2	15	15	150	2
200-2000	AM-1602	30	1	2.0:1	50/50	5.6	19	15	195	15-2
200-2000	AM-1631-2000	37	1	2.0:1	50/50	3.8	27	15	320	15-2
200-2500	AM-1635-2500	13	1	2.2:1	50/50	3.5	27	15	235	7H
200-2500	AM-1631-2500	36	1.5	2.0:1	50/50	4	27	15	320	15-2
200-3000	AM-1636	8	-	2.0:1	50/50	1.7	20	15	90	1
200-3000	AM-1635-3000	12	1.75	2.2:1	50/50	3.6	26	15	235	7H
225-400	AU-1501	35	0.25	2.0:1	50/50	2	22	15	240	3
250-2500	AM-1614	46	1.5	2.0:1	50/50	3.4	19	15	240	3
500-1000	AM-1518	30	0.5	2.0:1	50/50	2	15	15	155	3
500-1000	AM-1409	38	0.5	2.2:1	50/50	2.2	22	15	280	4
500-1000	AMP-1502	41	0.5	2.0:1	50/50	2.2	21	15	250	4
500-2000	AM-1522	11	1.25	2.0:1	50/50	2.7	17	15	110	1
900-940	AM-1628-920	37	0.5	2.2:1	50/50	4	27	12	370	15-2
1000-1500	AM-1312	33	1	2.2:1	50/50	3	22	15	210	3
1000-2000	AM-1477	37	1	2.0:1	50/50	2.1	16	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, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
LOW FREQUENCY AMPLIFIERS										
0.001-500	AU-1534	30	0.5	2.0:1	50/50	1.4	9	15	50	2
0.01-200	AU-1442	35	0.5	2.0:1	50/50	1.2	8	15	45	2
0.01-200	AU-1447	56	0.5	2.0:1	50/50	1.2	13	15	75	3
0.01-300	AU-1547	18	0.5	2.0:1	50/50	2.4	9	15	35	1
0.01-350	AU-1447-350	56	0.5	2.0:1	50/50	1.2	13	15	75	3
0.01-400	AU-1442-400	35	0.5	2.0:1	50/50	1.2	8	15	45	2
0.01-400	AU-1565	53	0.75	2.0:1	50/50	1.2	17	15	120	3
0.01-500	AU-1414	14	0.5	2.0:1	50/50	2.9	8	15	40	1
0.01-500	AU-1261	30	0.5	2.0:1	50/50	1.4	7	15	50	8
0.01-500	AU-1310	30	0.5	2.0:1	50/50	1.4	9	15	50	2
0.01-500	AU-1562	30	0.5	2.0:1	50/50	1.4	9	15	55	7
0.01-500	AU-1332	45	0.5	2.0:1	50/50	1.4	10	15	75	3
0.01-500	AU-1291	60	0.75	2.0:1	50/50	1.4	10	15	95	4
0.01-1000	AM-1616-1000	20	0.5	2.0:1	50/50	3.2	14	15	60	1
0.01-1000	AM-1297	25	0.75	2.0:1	50/50	1.6	6	15	55	8
0.01-1000	AM-1497	25	0.75	2.0:1	50/50	1.6	7	15	55	7
0.01-1000	AM-1300	27	0.75	2.0:1	50/50	1.6	8	15	55	2
0.01-1000	AM-1431	35	0.75	2.0:1	50/50	1.6	10	15	75	3
0.01-1000	AM-1607-1000	40	0.5	2.0:1	50/50	3.3	14	15	80	2
0.01-1000	AM-1309	50	1	2.0:1	50/50	1.6	10	15	90	4
0.01-1300	AM-1422	19	1	2.2:1	50/50	1.9	3	15	55	2
0.01-2000	AM-1616-2000	20	0.75	2.0:1	50/50	3.4	14	15	60	1
0.01-2000	AM-1607-2000	40	0.75	2.0:1	50/50	3.5	13	15	80	2
0.01-2500	AM-1616-2500	20	1	2.0:1	50/50	3.5	12	15	60	1
0.01-2500	AM-1607-2500	40	1	2.0:1	50/50	3.7	13	15	80	2
0.01-3000	AM-1616-3000	20	2	2.0:1	50/50	3.5	11	15	60	1
0.01-3000	AM-1607-3000	40	1.5	2.0:1	50/50	3.5	12	15	80	2
0.02-1000	AM-1551	38	1	2.0:1	50/50	1.6	16	15	130	3
0.05-1000	AMX-1320	24	1	2.2:1	50/50	1.7	7	15	55	11
0.1-250	AU-1559	11	0.5	2.0:1	50/50	4.2	18	15	70	1
0.2-400	AU-1583	36	0.5	2.0:1	50/50	1.2	7	15	45	2
0.3-200	AU-1566	26	0.5	2.0:1	50/50	2.2	19	15	140	2
0.3-200	AU-3A-0120	44	0.5	2.0:1	50/50	1.3	11	15	70	3
0.3-500	AU-3A-0150	44	0.5	2.0:1	50/50	1.4	11	15	75	3
0.3-600	AU-1027	45	0.5	2.0:1	50/50	1.4	11	15	75	3
0.3-3000	AM-1594	51	3.5	2.0:1	50/50	3.3	18	15	195	3
0.7-200	AU-1579	35	0.5	2.0:1	50/50	1.2	7	15	45	2
0.7-200	AU-1557	35	0.5	2.2:1	50/50	1.2	7	15	45	11
0.7-400	AU-1557-400	35	0.75	2.2:1	50/50	1.2	7	15	45	11

FAST RECOVERY NMR AMPLIFIERS

0.2-400	AU-1583	36	0.5	2.0:1	50/50	1.2	7	15	45	2
0.7-200	AU-1579	35	0.5	2.0:1	50/50	1.2	7	15	45	2
0.7-200	AU-1557	35	0.5	2.2:1	50/50	1.2	7	15	45	11
0.7-400	AU-1557-400	35	0.75	2.2:1	50/50	1.2	7	15	45	11
3-200	AU-1466	35	0.5	2.0:1	50/50	1.2	7	15	45	2
3-500	AU-1114	30	0.5	2.0:1	50/50	1.4	8	15	55	2
3-500	AU-1301	30	0.5	2.0:1	50/50	1.4	8	15	50	2
5-200	AU-1480	50	0.5	2.0:1	50/50	1.2	11	15	75	3
5-400	AU-1322	24	0.5	2.0:1	50/50	2.6	21	15	165	2
5-400	AU-1466-400	35	0.5	2.0:1	50/50	1.2	7	15	45	2
5-400	AU-1448	50	0.5	2.0:1	50/50	1.2	11	15	70	3
5-500	AU-1611	14	0.5	2.0:1	50/50	2.9	10	15	40	1
5-500	AU-1327	30	0.5	2.0:1	50/50	1.4	8	15	50	8
5-500	AU-1313	44	0.5	2.0:1	50/50	1.4	10	15	70	3
5-600	AU-1467	60	1	2.0:1	50/50	1.4	9	15	95	4
5-1000	AM-1581	26	0.75	2.0:1	50/50	1.6	8	15	55	2

NOTE: All NMR amplifiers have the following features:

- Input crossed diode protection
- Fast recovery time and an input overload
- No internal ferrites - may be used in a high magnetic field

Typical Recovery Time For Individual Models:

- AU-1583 (25 µsec)
- AU-1301 (1.8 µsec)
- AU-1448 (3.5 µsec)
- AU-1313 (3.0 µsec)
- AU-1114 (1.8 µsec)
- AU-1579 (9.0 µsec)
- AU-1327 (1.0 µsec)
- AU-1611 (1.0 µsec)
- AU-1480 (3.5 µsec)
- AU-1332 (1.8 µsec)
- AU-1466 (2.8 µsec)
- AU-1467 (1.6 µsec)

These amplifiers have been designed for NMR / MRI type applications where there is a large RF pulse that occurs prior to the signal of interest. Most models will recover in less than 3 µsec after the end of the pulse. Many of the amplifiers that were previously specified only to 10 MHz are now flat down to about 3 MHz. All units have input diode limiters and can withstand an RF level of +30 dBm CW or 20V p-p pulse. Most models are available with a lower frequency range, but with a slightly longer recovery time. Please contact MITEQ.

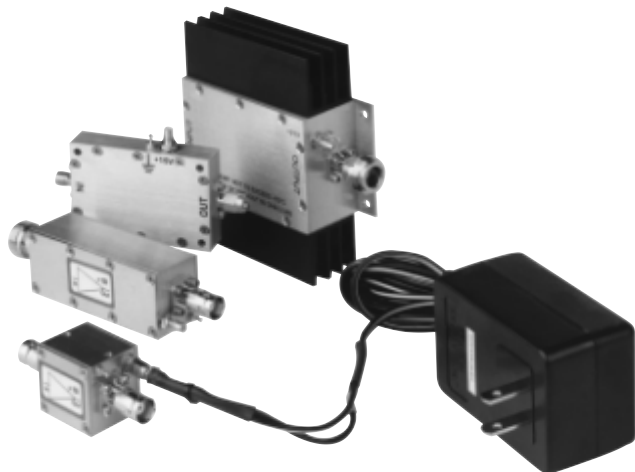
SPECIAL APPLICATION AMPLIFIERS (CONT.)

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
75 OHM AMPLIFIERS										
5-100	AU-1138	30	0.5	2.0:1	75/75	2.9	20	15	125	3
10-100	AU-1149	15	0.5	1.5:1	75/75	5.5	20	15	80	2
10-200	AU-1552	10	0.5	2.0:1	75/75	4.8	19	15	85	1
10-200	AU-1576	12	0.5	1.5:1	75/50	9	14	15	180	2
10-200	AU-1360	44	0.5	2.0:1	75/75	2	20	15	140	4
20-200	AU-1127	29	0.25	2.0:1	75/75	1.3	8	15	50	2
50-90	AU-1552-70	10	0.25	1.5:1	75/75	4.5	20	15	85	1
50-90	AU-1574-70	12	0.25	1.5:1	75/75	4.5	18	15	85	1
50-90	AU-1576-70	12	0.25	1.3:1	75/50	9	14	15	180	2
50-90	AU-1049-75-70	12	0.25	1.5:1	75/75	3	10	15	40	1
50-90	AU-1440-70	13	0.25	1.5:1	75/75	8	23	15	230	15-2
50-90	AU-1001	15	0.25	1.3:1	75/75	5	18	15	65	10
50-90	AU-1149-70	15	0.2	1.5:1	75/75	5	20	15	85	2
50-90	AU-1303-70	15	0.2	1.5:1	75/50	4	10	15	40	1
50-90	AU-1241-70	28	0.2	1.5:1	75/50	3	13	15	75	3
50-90	AU-2A-1241	28	0.25	1.3:1	75/50	2.8	13	15	75	3
50-90	AU-1127-70	29	0.2	1.5:1	75/75	1.3	8	15	55	2
50-90	AU-1138-70	29	0.2	1.5:1	75/75	3	20	15	125	3
50-90	AU-2A-1138	29	0.25	1.3:1	75/75	2.9	20	15	125	3
50-90	AU-2A-1127	30	0.25	1.3:1	75/75	1.4	8	15	50	2
50-90	AU-1360-70	45	0.2	1.5:1	75/75	2	20	15	140	4
50-90	AU-2A-1360	45	0.25	1.3:1	75/75	2	20	15	140	4
100-180	AU-1552-140	10	0.25	1.5:1	75/75	5	19	15	85	1
100-180	AU-1576-140	12	0.25	1.3:1	75/50	9	15	15	180	2
100-180	AU-1049-75-140	12	0.25	1.5:1	75/75	3.8	10	15	40	1
100-180	AU-1149-140	15	0.2	1.5:1	75/75	6	20	15	85	2
100-180	AU-1303-140	15	0.2	1.5:1	75/50	4	10	15	40	1
100-180	AU-1541-140	24	0.2	1.5:1	75/75	2.5	20	15	180	2
100-180	AU-1092	29	0.25	1.3:1	75/75	3.2	20	15	125	3
100-180	AU-1092-140	29	0.2	1.5:1	75/75	3.2	20	15	125	3
100-180	AU-1127-140	29	0.2	1.5:1	75/75	1.3	8	15	55	2
100-180	AU-1293	29	0.25	1.3:1	75/75	1.5	8	15	55	2
100-180	AU-1293-140	29	0.2	1.5:1	75/75	1.5	8	15	55	2
100-180	AU-1360-140	45	0.2	1.5:1	75/75	2	20	15	140	4

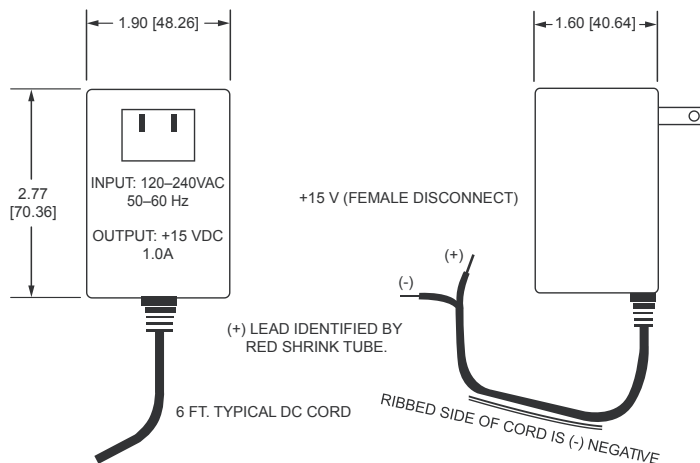
OUTLINE DRAWINGS

WALL PLUG-IN POWER SUPPLIES

1179SC
AC Supply With SMC Connector
 (Available for outlines 1 – 10, 13 and



205531-19
AC Supply With Solder

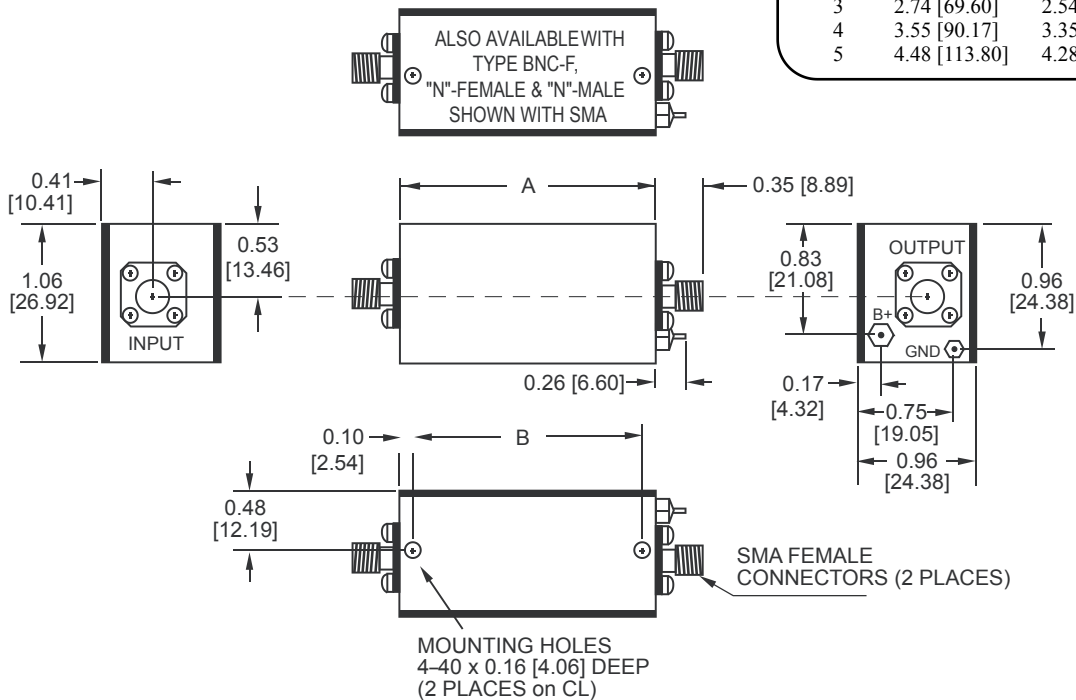


When ordering amplifiers with this power supply, the SMC connector will replace standard DC solder pin. The dimensions for the power supply are the same as part number 205531-19.

DIMENSIONS ARE IN INCHES [MILLIMETERS] AND ARE TYPICAL
 SIZE MAY VARY WITH MANUFACTURER.

OUTLINES 1-5

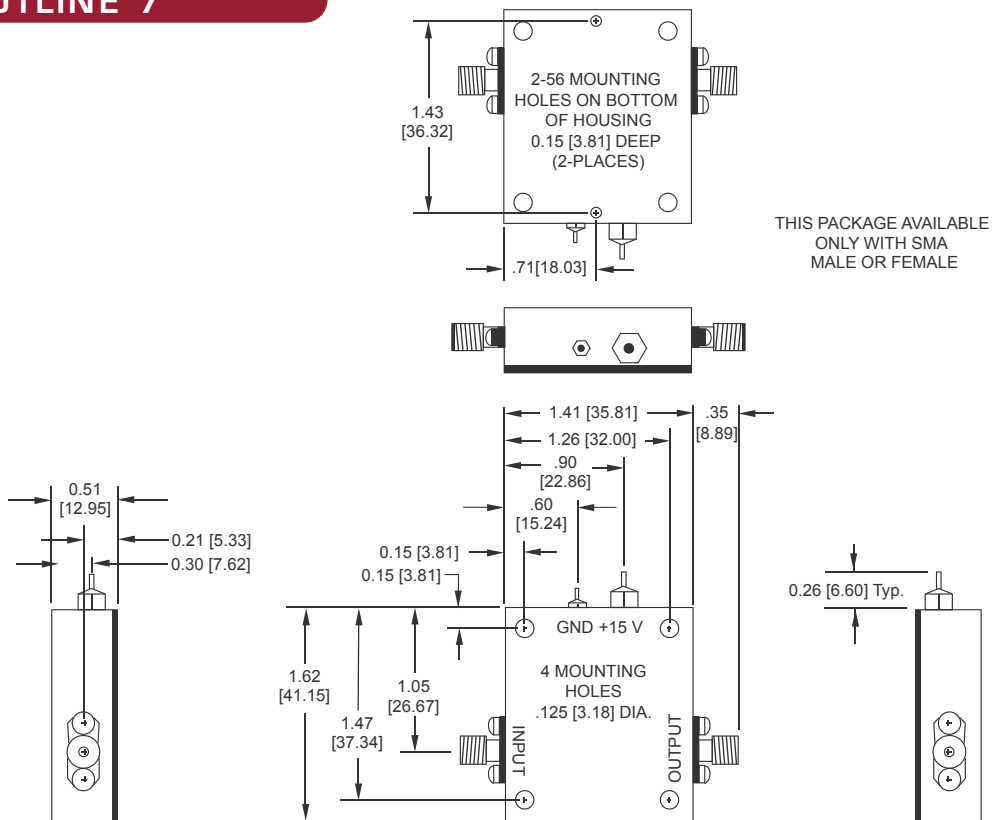
OUTLINE	DIM A	DIM B	OUNCES
1	1.11 [28.19]	0.91 [23.11]	1.5
2	1.92 [48.77]	1.72 [43.69]	2.2
3	2.74 [69.60]	2.54 [64.52]	2.9
4	3.55 [90.17]	3.35 [85.09]	3.7
5	4.48 [113.80]	4.28 [108.71]	4.5



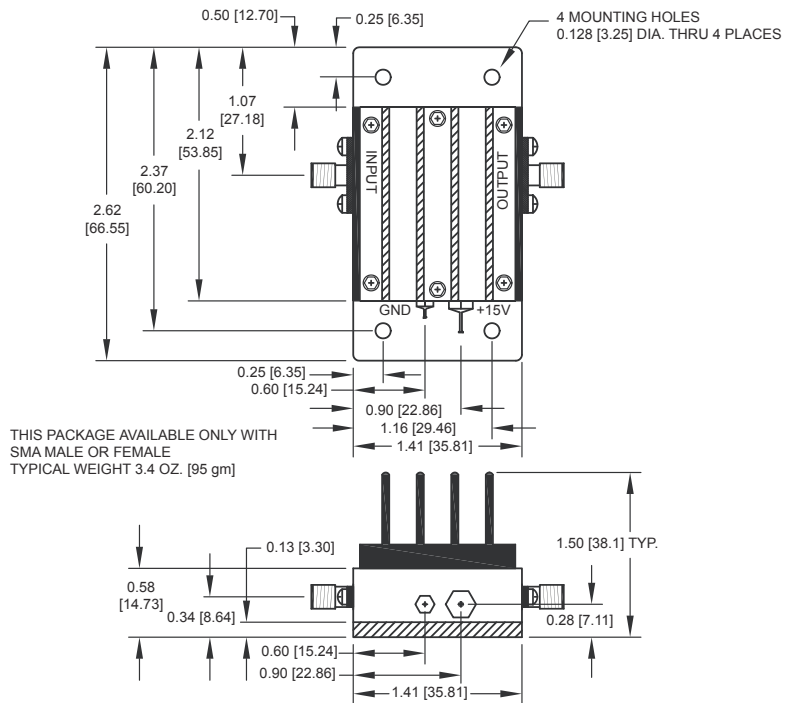
NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].

OUTLINE DRAWINGS (CONT.)

OUTLINE 7



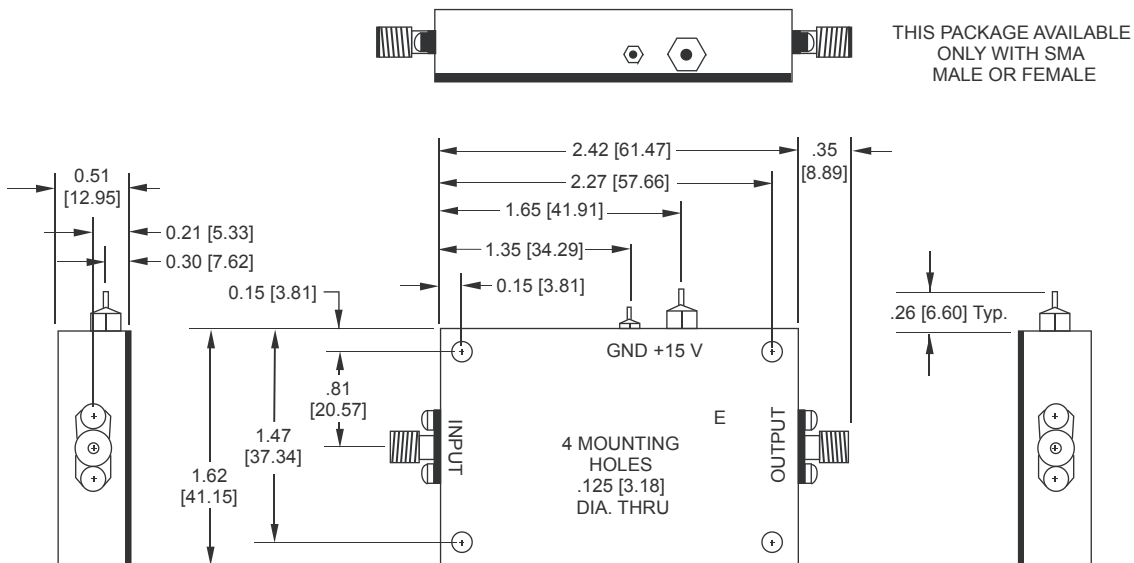
OUTLINE 7H



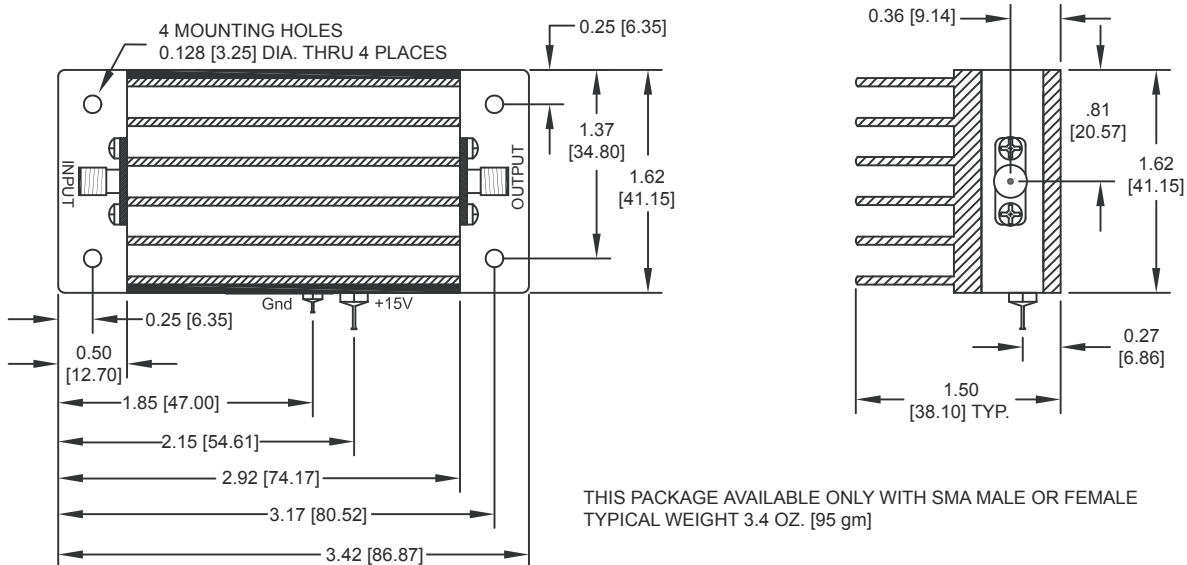
NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].

OUTLINE DRAWINGS (CONT.)

OUTLINE 8



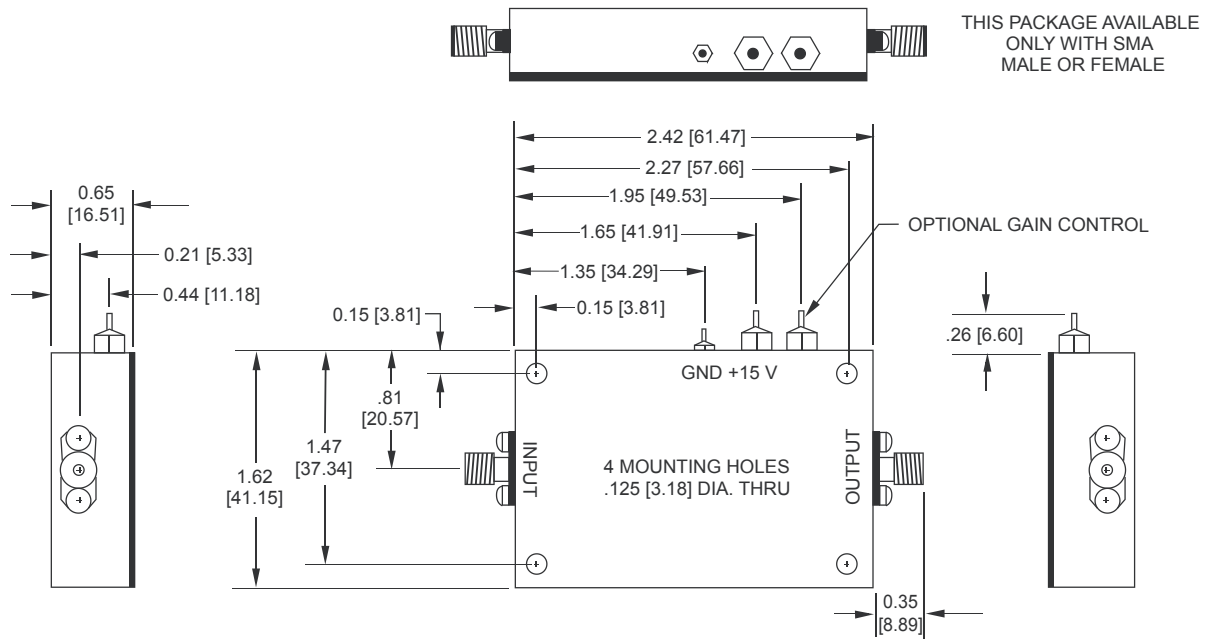
OUTLINE 8H



NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].

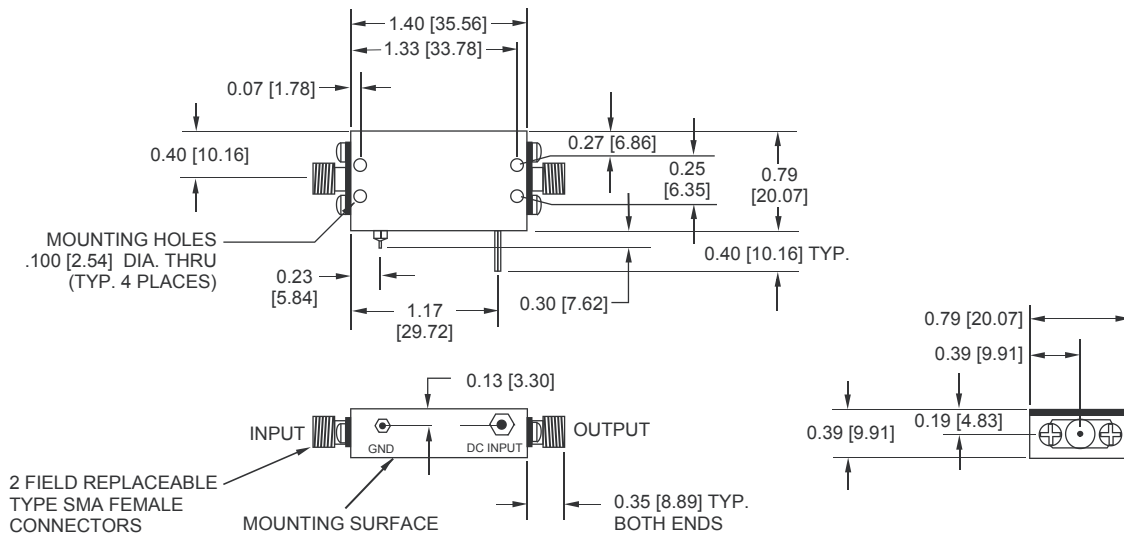
OUTLINE DRAWINGS (CONT.)

OUTLINE 10



OUTLINE 11

OUTLINE	OUNCES
11	0.7

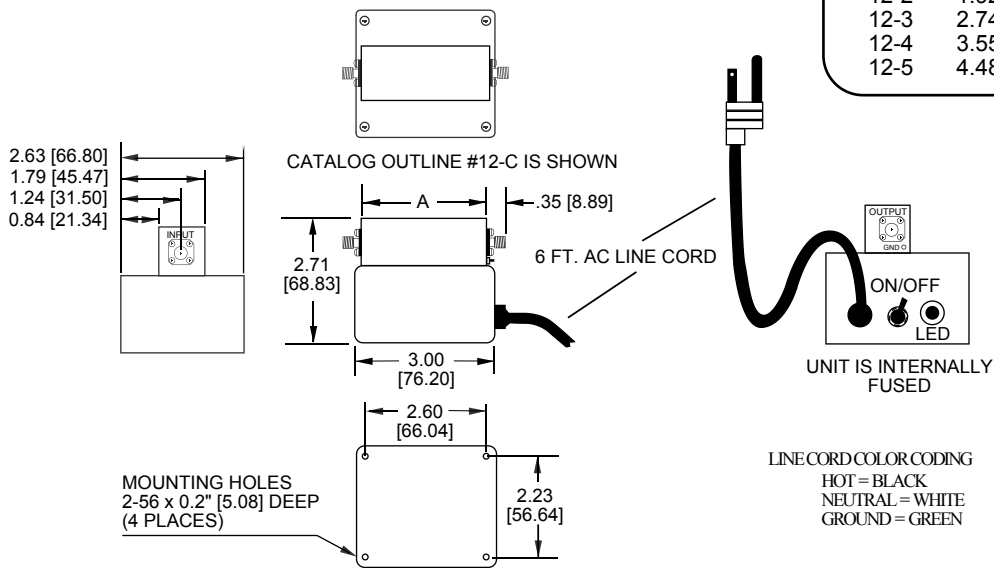


NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].

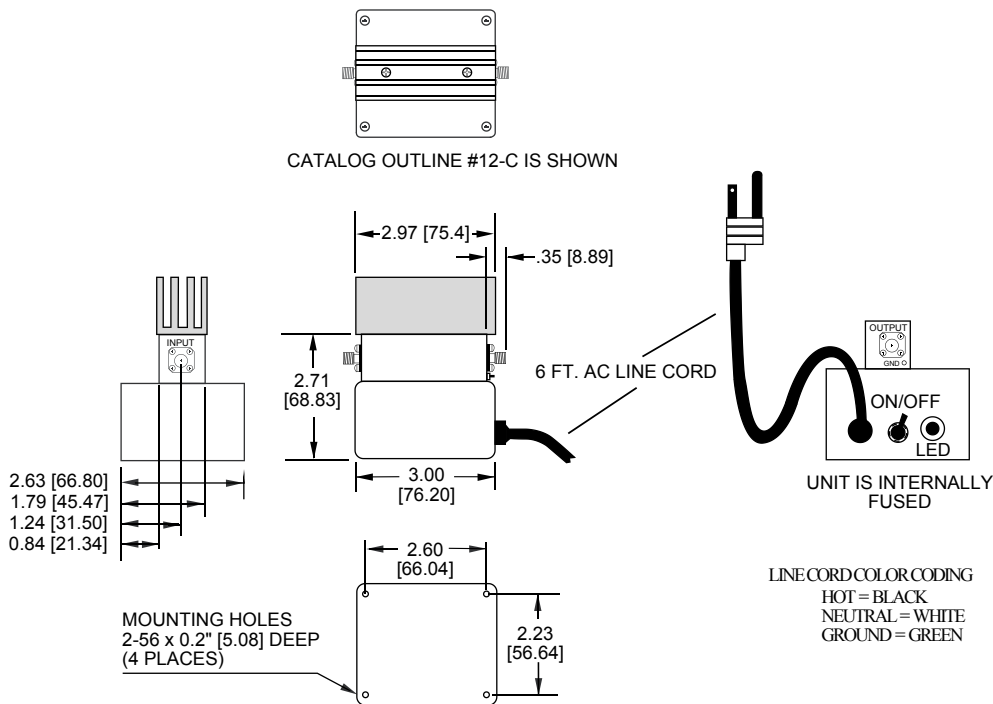
OUTLINE DRAWINGS (CONT.)

OUTLINE 12

OUTLINE	DIM A	OUNCES
12-1	1.11 [28.19]	17
12-2	1.92 [48.77]	17
12-3	2.74 [69.60]	17
12-4	3.55 [90.17]	17
12-5	4.48 [113.79]	17



WITH HEATSINK



NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].

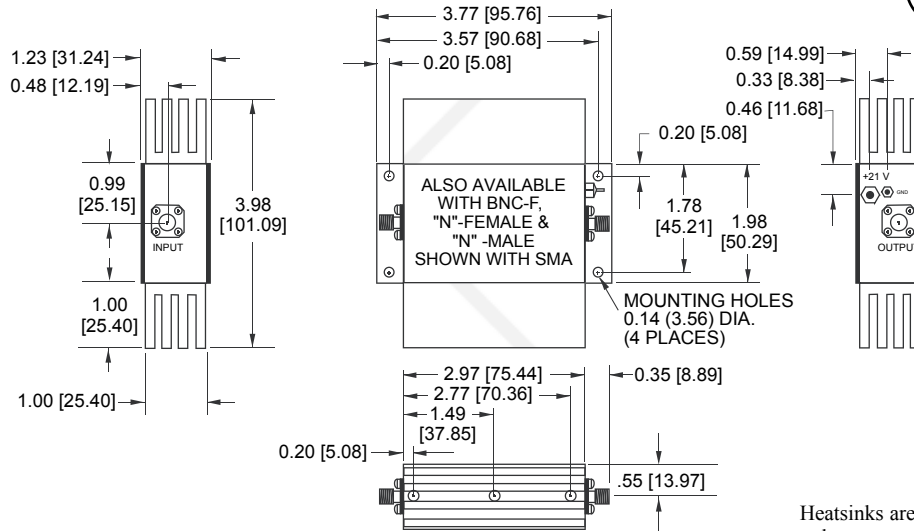
OUTLINE DRAWINGS (CONT.)

OUTLINE 13

OUTLINE OUNCES

13

11

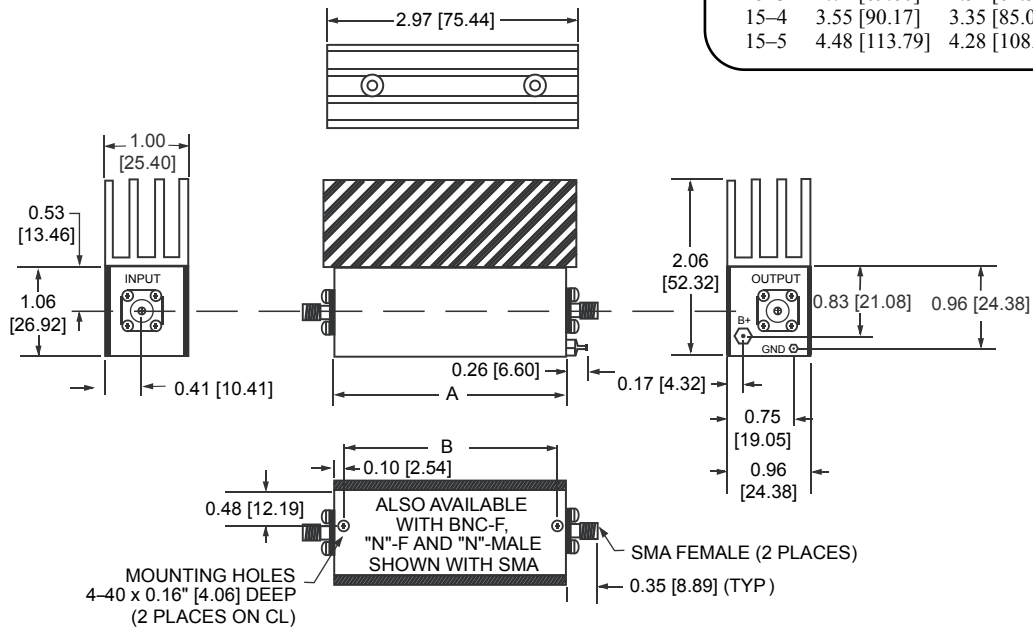


Heatsinks are removable if amplifier is to be mounted to a larger heatsink. Do not operate amplifier without heatsink.

OUTLINE 15

OUTLINE DIM A DIM B OUNCES

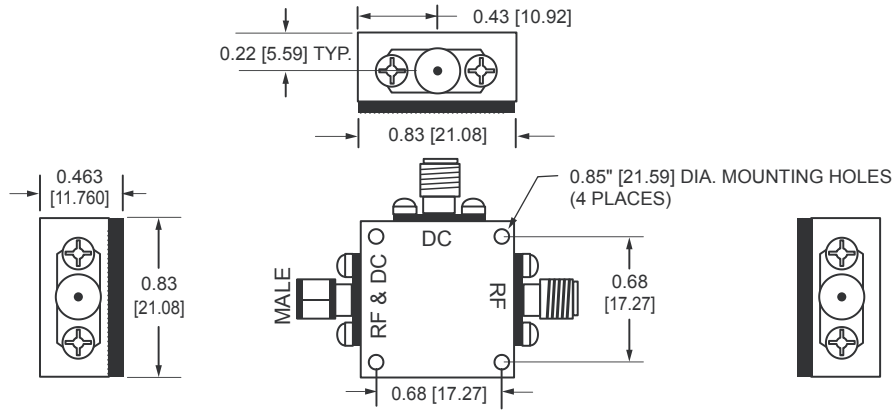
OUTLINE	DIM A	DIM B	OUNCES
15-1	1.11 [28.19]	0.91 [23.11]	3.4
15-2	1.92 [48.77]	1.72 [43.69]	4.1
15-3	2.74 [69.60]	2.54 [64.52]	4.8
15-4	3.55 [90.17]	3.35 [85.09]	5.6
15-5	4.48 [113.79]	4.28 [108.71]	6.4



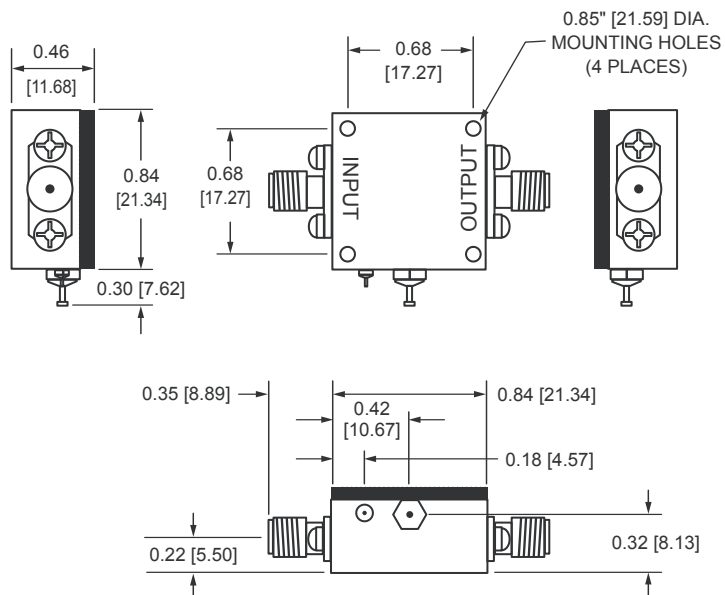
NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].

OUTLINE DRAWINGS (CONT.)

OUTLINE 16



OUTLINE 17



NOTE: DIMENSIONS ARE IN INCHES [MILLIMETERS].