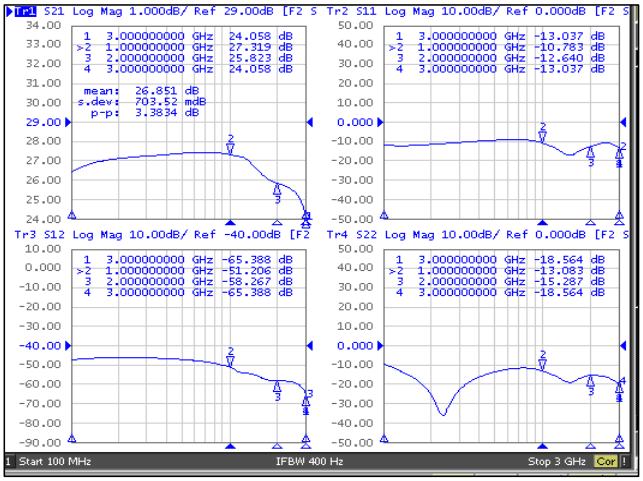
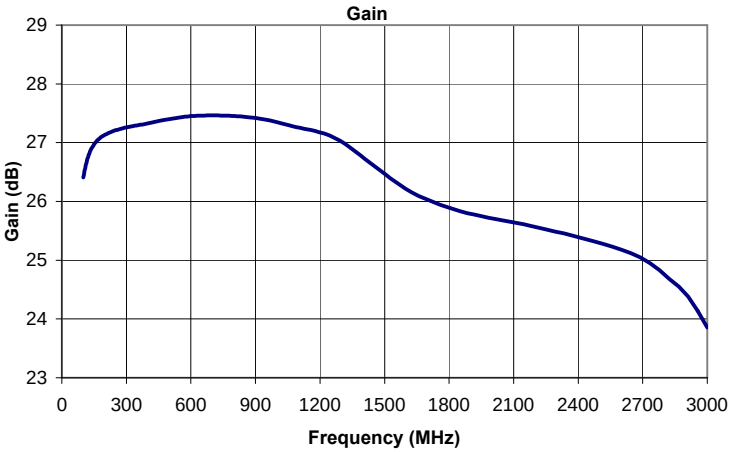
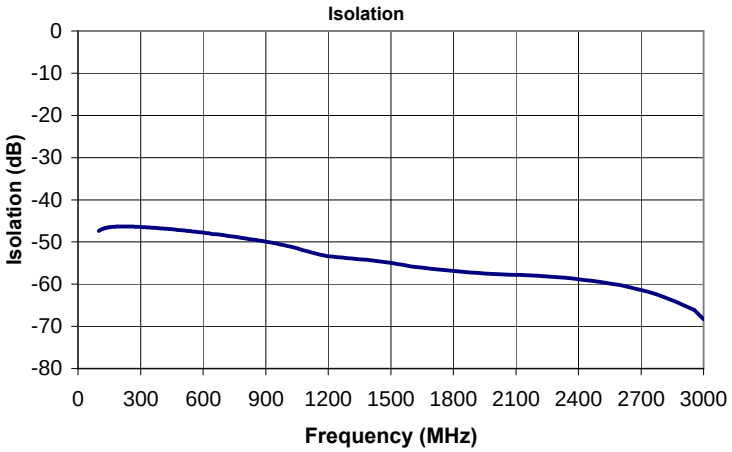
AM-1677 Series

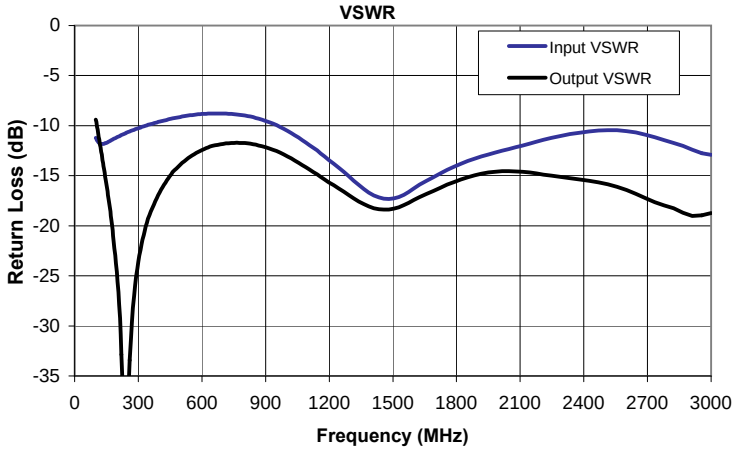
Features

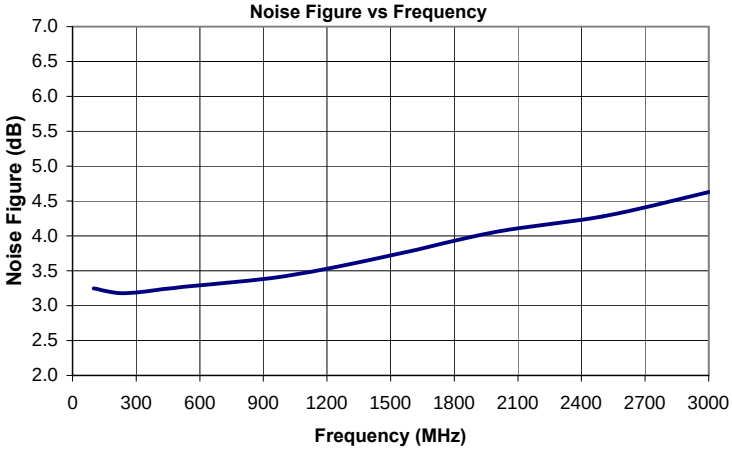
- Broadband Medium Power Amplifier
- +40 dBm Typical Third Order Intersept
- Internally regulated to +8V
- Reverse voltage protected

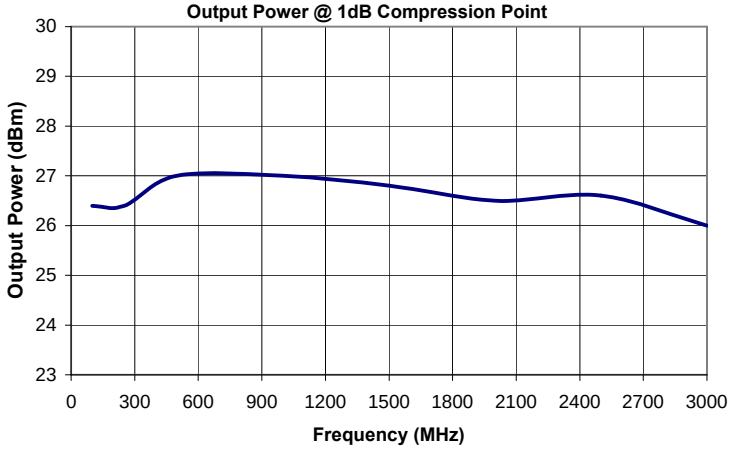












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AM-1677 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
100.0	26.4	-47.4	-11.2	-9.4	2.49
102.0	26.5	-47.3	-11.3	-9.6	2.43
103.9	26.5	-47.3	-11.4	-9.9	2.37
105.9	26.5	-47.2	-11.5	-10.1	2.32
107.9	26.6	-47.2	-11.5	-10.4	2.27
109.9	26.6	-47.1	-11.6	-10.6	2.22
111.8	26.6	-47.1	-11.6	-10.9	2.17
113.8	26.7	-47.0	-11.7	-11.1	2.14
115.8	26.7	-47.0	-11.7	-11.4	2.10
117.7	26.7	-46.9	-11.8	-11.6	2.06
119.7	26.7	-46.9	-11.8	-11.9	2.02
121.7	26.8	-46.9	-11.8	-12.1	1.98
123.7	26.8	-46.8	-11.8	-12.4	1.96
125.6	26.8	-46.8	-11.8	-12.6	1.93
127.6	26.8	-46.8	-11.8	-12.9	1.90
129.6	26.8	-46.7	-11.8	-13.2	1.87
131.6	26.9	-46.7	-11.8	-13.4	1.84
133.5	26.9	-46.7	-11.8	-13.7	1.81
135.8	26.9	-46.6	-11.8	-14.0	1.79
138.5	26.9	-46.6	-11.8	-14.4	1.76
141.2	26.9	-46.6	-11.8	-14.7	1.74
143.9	26.9	-46.6	-11.8	-15.0	1.71
146.6	27.0	-46.5	-11.7	-15.4	1.67
149.3	27.0	-46.5	-11.7	-15.8	1.66
152.0	27.0	-46.5	-11.7	-16.2	1.62
154.7	27.0	-46.5	-11.7	-16.5	1.61
157.4	27.0	-46.5	-11.6	-16.9	1.59
160.1	27.0	-46.5	-11.6	-17.3	1.56
162.8	27.0	-46.4	-11.6	-17.7	1.54
165.5	27.0	-46.4	-11.6	-18.2	1.51
168.2	27.0	-46.4	-11.5	-18.6	1.50
170.9	27.1	-46.4	-11.5	-19.0	1.49
173.6	27.1	-46.4	-11.5	-19.5	1.47
176.3	27.1	-46.4	-11.4	-19.9	1.46
179.0	27.1	-46.4	-11.4	-20.4	1.44
181.7	27.1	-46.4	-11.4	-21.0	1.43
184.5	27.1	-46.4	-11.3	-21.6	1.41
187.6	27.1	-46.3	-11.3	-22.2	1.39
191.3	27.1	-46.3	-11.2	-23.0	1.38
195.0	27.1	-46.3	-11.2	-23.7	1.37
198.7	27.1	-46.3	-11.2	-24.6	1.35
202.4	27.1	-46.3	-11.1	-25.6	1.34
206.1	27.1	-46.3	-11.1	-26.6	1.32
209.8	27.2	-46.3	-11.1	-27.8	1.31
213.5	27.2	-46.3	-11.0	-29.2	1.30
217.2	27.2	-46.3	-11.0	-30.9	1.29
220.9	27.2	-46.3	-10.9	-32.9	1.28
224.6	27.2	-46.3	-10.9	-35.2	1.28
228.3	27.2	-46.3	-10.9	-37.1	1.26
232.0	27.2	-46.3	-10.8	-38.4	1.25
235.7	27.2	-46.3	-10.8	-39.2	1.25
239.4	27.2	-46.3	-10.8	-39.5	1.24
243.1	27.2	-46.3	-10.7	-39.3	1.22

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
246.8	27.2	-46.3	-10.7	-38.7	1.22
250.5	27.2	-46.3	-10.6	-37.5	1.21
254.8	27.2	-46.3	-10.6	-35.8	1.20
259.8	27.2	-46.4	-10.6	-33.4	1.19
264.9	27.2	-46.4	-10.5	-31.3	1.19
269.9	27.2	-46.4	-10.5	-29.6	1.18
274.9	27.2	-46.4	-10.4	-28.2	1.17
279.9	27.2	-46.4	-10.4	-27.0	1.17
285.0	27.2	-46.4	-10.4	-26.0	1.16
290.0	27.3	-46.4	-10.3	-25.1	1.16
295.0	27.3	-46.4	-10.3	-24.3	1.15
300.0	27.3	-46.4	-10.3	-23.6	1.15
305.1	27.3	-46.5	-10.2	-23.0	1.14
310.1	27.3	-46.5	-10.2	-22.4	1.14
315.1	27.3	-46.5	-10.1	-21.9	1.13
320.1	27.3	-46.5	-10.1	-21.4	1.13
325.1	27.3	-46.5	-10.1	-20.9	1.13
330.2	27.3	-46.5	-10.0	-20.5	1.12
335.2	27.3	-46.6	-10.0	-20.1	1.11
340.2	27.3	-46.6	-10.0	-19.7	1.11
346.1	27.3	-46.6	-9.9	-19.3	1.10
352.9	27.3	-46.6	-9.9	-18.9	1.10
359.7	27.3	-46.6	-9.8	-18.6	1.10
366.5	27.3	-46.6	-9.8	-18.2	1.09
373.4	27.3	-46.7	-9.8	-17.9	1.09
380.2	27.3	-46.7	-9.7	-17.5	1.08
387.0	27.3	-46.7	-9.7	-17.2	1.08
393.8	27.3	-46.8	-9.6	-16.9	1.08
400.7	27.3	-46.8	-9.6	-16.7	1.08
407.5	27.3	-46.8	-9.6	-16.4	1.07
414.3	27.3	-46.8	-9.5	-16.1	1.07
421.1	27.3	-46.9	-9.5	-15.9	1.07
427.9	27.4	-46.9	-9.5	-15.7	1.07
434.8	27.4	-46.9	-9.4	-15.5	1.06
441.6	27.4	-46.9	-9.4	-15.3	1.07
448.4	27.4	-47.0	-9.3	-15.1	1.06
455.2	27.4	-47.0	-9.3	-14.9	1.06
462.1	27.4	-47.0	-9.3	-14.7	1.06
470.0	27.4	-47.1	-9.2	-14.5	1.06
479.3	27.4	-47.1	-9.2	-14.3	1.06
488.7	27.4	-47.2	-9.2	-14.1	1.06
498.0	27.4	-47.2	-9.1	-13.9	1.05
507.4	27.4	-47.3	-9.1	-13.7	1.06
516.7	27.4	-47.3	-9.1	-13.6	1.05
526.1	27.4	-47.4	-9.0	-13.4	1.05
535.4	27.4	-47.4	-9.0	-13.2	1.05
544.8	27.4	-47.5	-9.0	-13.1	1.05
554.2	27.4	-47.5	-8.9	-13.0	1.05
563.5	27.4	-47.6	-8.9	-12.8	1.05
572.9	27.4	-47.6	-8.9	-12.7	1.05
582.2	27.4	-47.7	-8.9	-12.6	1.05
591.6	27.4	-47.7	-8.8	-12.5	1.05
600.9	27.5	-47.8	-8.8	-12.4	1.05

AM-1677 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
610.3	27.5	-47.8	-8.8	-12.3	1.05
619.6	27.5	-47.9	-8.8	-12.2	1.04
629.0	27.5	-48.0	-8.8	-12.2	1.04
638.3	27.5	-48.0	-8.8	-12.1	1.04
649.3	27.5	-48.1	-8.8	-12.0	1.04
662.1	27.5	-48.2	-8.8	-12.0	1.04
674.9	27.5	-48.3	-8.8	-11.9	1.04
687.7	27.5	-48.3	-8.8	-11.9	1.04
700.5	27.5	-48.4	-8.8	-11.8	1.03
713.3	27.5	-48.5	-8.8	-11.8	1.03
726.1	27.5	-48.6	-8.8	-11.7	1.03
738.9	27.5	-48.7	-8.8	-11.7	1.03
751.7	27.5	-48.8	-8.9	-11.7	1.03
764.5	27.5	-48.9	-8.9	-11.7	1.03
777.3	27.5	-49.0	-8.9	-11.7	1.03
790.1	27.5	-49.1	-8.9	-11.7	1.04
802.9	27.5	-49.2	-9.0	-11.7	1.03
815.7	27.4	-49.3	-9.0	-11.8	1.03
828.5	27.4	-49.4	-9.1	-11.8	1.03
841.3	27.4	-49.4	-9.2	-11.8	1.03
854.1	27.4	-49.5	-9.2	-11.9	1.03
866.9	27.4	-49.7	-9.3	-12.0	1.03
881.8	27.4	-49.8	-9.4	-12.1	1.03
899.2	27.4	-49.9	-9.5	-12.1	1.03
916.6	27.4	-50.1	-9.7	-12.3	1.03
933.9	27.4	-50.2	-9.8	-12.4	1.03
951.3	27.4	-50.4	-10.0	-12.5	1.03
968.7	27.4	-50.5	-10.1	-12.7	1.03
986.1	27.4	-50.8	-10.3	-12.9	1.03
1003.5	27.3	-50.9	-10.5	-13.1	1.03
1020.9	27.3	-51.1	-10.7	-13.3	1.03
1038.3	27.3	-51.4	-11.0	-13.5	1.03
1055.7	27.3	-51.6	-11.2	-13.7	1.03
1073.0	27.3	-51.8	-11.4	-13.9	1.03
1090.4	27.3	-52.1	-11.7	-14.2	1.02
1107.8	27.2	-52.3	-11.9	-14.4	1.02
1125.2	27.2	-52.6	-12.2	-14.6	1.02
1142.6	27.2	-52.8	-12.5	-14.9	1.03
1160.0	27.2	-53.0	-12.8	-15.1	1.03
1177.4	27.2	-53.2	-13.1	-15.4	1.03
1197.6	27.2	-53.4	-13.4	-15.7	1.04
1221.2	27.2	-53.5	-13.8	-16.0	1.04
1244.8	27.1	-53.6	-14.2	-16.3	1.04
1268.4	27.1	-53.7	-14.6	-16.6	1.04
1292.0	27.0	-53.8	-15.1	-16.9	1.04
1315.6	27.0	-53.9	-15.5	-17.3	1.04
1339.3	26.9	-54.1	-15.9	-17.6	1.04
1362.9	26.9	-54.1	-16.3	-17.8	1.03
1386.5	26.8	-54.3	-16.7	-18.1	1.03
1410.1	26.7	-54.4	-17.0	-18.2	1.02
1433.7	26.7	-54.5	-17.2	-18.4	1.02
1457.3	26.6	-54.7	-17.3	-18.4	1.01
1480.9	26.5	-54.8	-17.3	-18.4	1.01
1504.6	26.5	-55.0	-17.3	-18.3	1.01
1528.2	26.4	-55.2	-17.1	-18.1	1.01
1551.8	26.3	-55.4	-16.9	-17.9	1.00
1575.4	26.3	-55.6	-16.6	-17.7	1.00
1599.0	26.2	-55.8	-16.3	-17.4	1.00
1626.4	26.2	-55.9	-15.9	-17.1	1.00
1658.8	26.1	-56.1	-15.5	-16.8	1.00
1691.2	26.0	-56.3	-15.1	-16.5	1.00
1723.5	26.0	-56.5	-14.8	-16.2	1.00
1755.9	25.9	-56.7	-14.4	-15.9	1.00
1788.2	25.9	-56.8	-14.1	-15.6	1.01
1820.6	25.9	-56.9	-13.8	-15.4	1.01
1853.0	25.8	-57.1	-13.5	-15.1	1.01
1885.3	25.8	-57.2	-13.3	-14.9	1.01
1917.7	25.8	-57.3	-13.1	-14.8	1.02
1950.0	25.7	-57.5	-12.9	-14.7	1.02
1982.4	25.7	-57.6	-12.7	-14.6	1.02
2014.8	25.7	-57.6	-12.5	-14.6	1.03
2047.1	25.7	-57.7	-12.3	-14.5	1.03
2079.5	25.7	-57.8	-12.2	-14.6	1.04
2111.8	25.6	-57.8	-12.0	-14.6	1.04
2144.2	25.6	-57.9	-11.8	-14.7	1.04
2176.6	25.6	-58.0	-11.6	-14.8	1.05
2208.9	25.6	-58.0	-11.4	-14.9	1.05
2246.8	25.5	-58.2	-11.2	-15.0	1.06
2291.1	25.5	-58.3	-11.0	-15.1	1.06
2335.4	25.5	-58.5	-10.8	-15.2	1.07
2379.7	25.4	-58.7	-10.7	-15.4	1.07
2424.0	25.4	-59.0	-10.6	-15.5	1.08
2468.3	25.3	-59.2	-10.5	-15.7	1.09
2512.6	25.3	-59.5	-10.5	-15.9	1.10
2556.9	25.2	-59.9	-10.5	-16.1	1.11
2601.3	25.2	-60.2	-10.5	-16.4	1.12
2645.6	25.1	-60.7	-10.7	-16.8	1.14
2689.9	25.0	-61.3	-10.9	-17.2	1.15
2734.2	25.0	-61.8	-11.1	-17.6	1.17
2778.5	24.8	-62.5	-11.4	-18.0	1.19
2822.8	24.7	-63.4	-11.7	-18.3	1.21
2867.1	24.6	-64.1	-12.0	-18.7	1.22
2911.4	24.4	-65.1	-12.4	-19.0	1.24
2955.7	24.1	-66.1	-12.8	-19.0	1.26
3000.0	23.9	-68.3	-12.9	-18.7	1.29