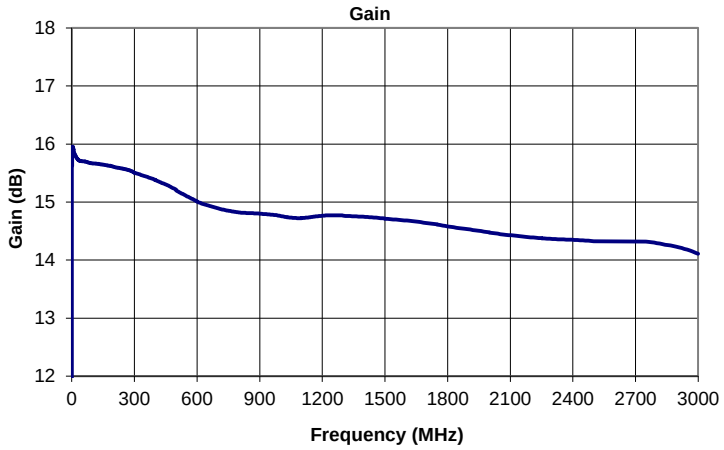
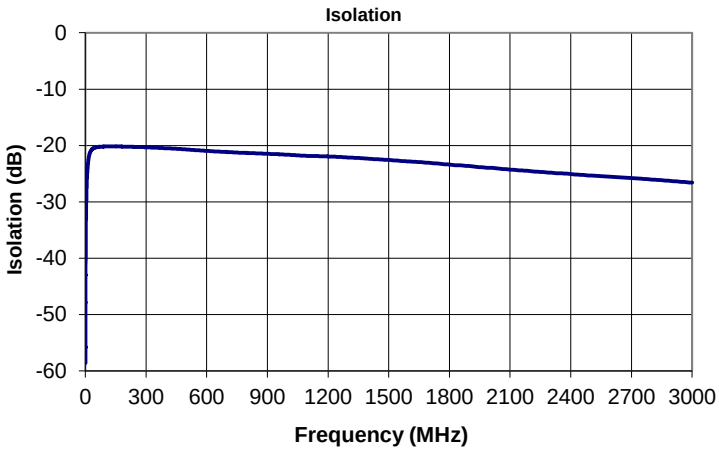
AM-1696 Series

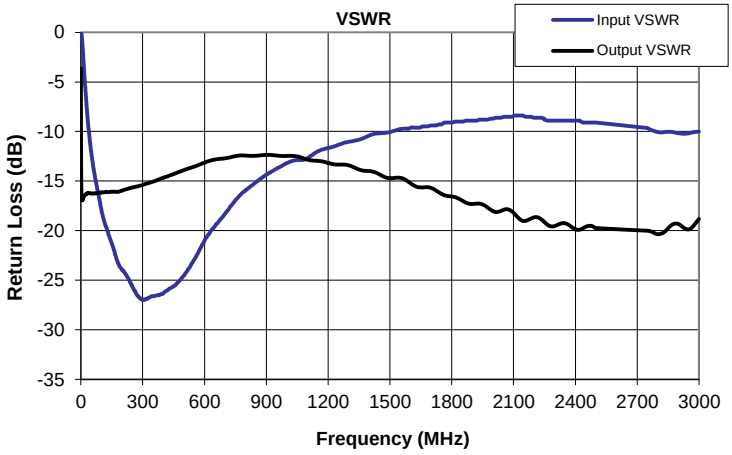
Features

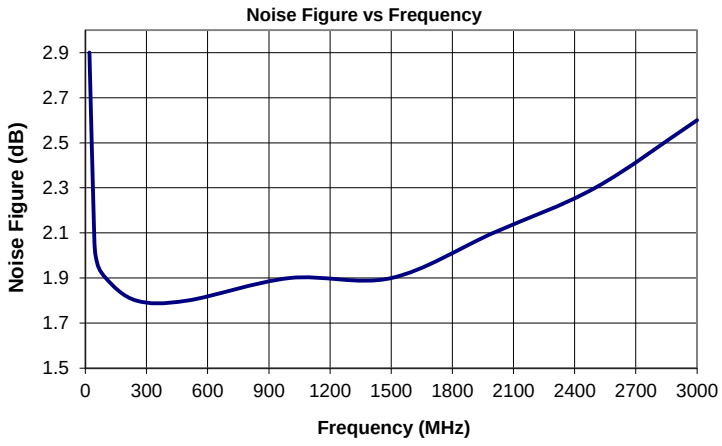
- 3-Year Warranty
- Low Noise Figure
- High Dynamic Range
- Internally regulated to +5V
- Reverse voltage protected
- +8 to +30V Operation

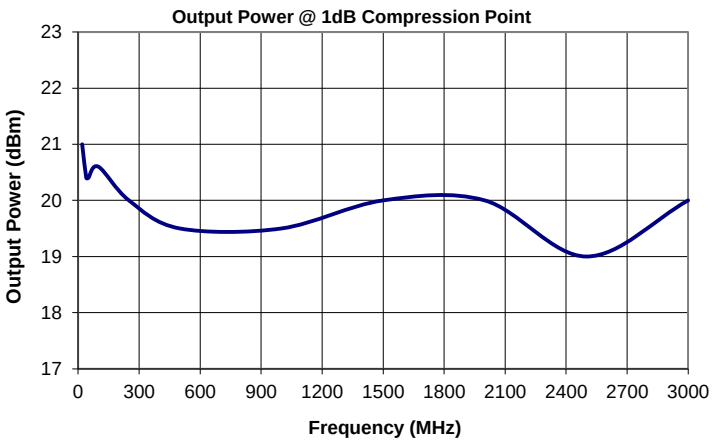
Typical Data











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5/20/2011

AM-1696 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
0.30	9.4	-58.6	-0.1	-3.6		499.4
0.31	9.9	-57.6	-0.1	-3.8		495.7
0.33	10.2	-56.8	-0.1	-4.0		483.8
0.34	10.6	-55.7	-0.1	-4.2		468.3
0.36	10.9	-55.8	-0.1	-4.4		454.0
0.37	11.2	-55.5	-0.1	-4.6		438.7
0.39	11.5	-54.6	-0.1	-4.8		424.0
0.40	11.7	-54.2	-0.1	-5.0		410.4
0.41	11.9	-53.5	-0.1	-5.2		396.1
0.43	12.1	-52.9	-0.1	-5.4		383.0
0.44	12.3	-52.1	-0.1	-5.6		370.8
0.46	12.5	-52.0	-0.1	-5.8		359.0
0.47	12.6	-51.6	-0.1	-6.0		347.7
0.49	12.8	-51.0	-0.1	-6.2		335.8
0.50	13.0	-50.9	-0.1	-6.4		323.6
0.51	13.2	-50.3	-0.1	-6.6		311.8
0.53	13.3	-49.9	-0.1	-6.8		300.0
0.54	13.5	-49.9	-0.1	-7.0		289.5
0.56	13.6	-49.2	-0.1	-7.1		279.2
0.57	13.7	-49.1	-0.1	-7.3		268.9
0.59	13.9	-48.8	0.0	-7.5		258.6
0.60	14.0	-48.4	0.0	-7.7		249.3
0.61	14.1	-48.3	-0.1	-7.8		240.7
0.63	14.2	-47.8	0.0	-8.0		231.8
0.64	14.3	-47.8	0.0	-8.2		222.4
0.66	14.4	-47.4	0.0	-8.3		215.7
0.67	14.4	-47.1	0.0	-8.5		207.8
0.69	14.5	-46.9	0.0	-8.7		200.8
0.70	14.6	-46.6	0.0	-8.8		193.9
0.71	14.6	-46.5	0.0	-9.0		187.2
0.73	14.7	-46.3	0.0	-9.1		178.8
0.74	14.8	-46.0	0.0	-9.3		175.0
0.76	14.8	-45.9	0.0	-9.4		169.2
0.77	14.9	-45.6	0.0	-9.6		163.6
0.79	14.9	-45.4	0.0	-9.7		158.9
0.80	15.0	-45.3	0.0	-9.8		153.5
0.81	15.0	-45.0	0.0	-10.0		148.9
0.83	15.1	-44.9	0.0	-10.1		144.0
0.84	15.1	-44.6	0.0	-10.2		135.8
0.86	15.1	-44.5	0.0	-10.3		131.4
0.87	15.2	-44.4	0.0	-10.5		126.2
0.89	15.2	-44.2	0.0	-10.6		120.5
0.90	15.3	-44.0	0.0	-10.7		114.7
0.91	15.3	-44.0	0.0	-10.8		108.9
0.93	15.4	-43.7	0.0	-10.9		103.2
0.94	15.4	-43.5	0.0	-11.0		97.4
0.96	15.4	-43.4	0.0	-11.1		92.1
0.97	15.5	-43.2	0.0	-11.2		86.4
0.99	15.5	-43.1	0.0	-11.3		81.1
1.00	15.6	-42.9	0.0	-11.4		76.5
1.00	15.6	-43.0	0.0	-11.5		70.7
1.2	15.6	-41.3	0.0	-12.6		65.8

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
1.4	15.7	-39.9	0.0	-13.4		60.5
1.6	15.7	-38.8	0.0	-14.1		56.3
1.7	15.7	-37.8	0.0	-14.7		51.7
1.9	15.7	-36.9	-0.1	-15.1		47.3
2.1	15.8	-36.1	-0.1	-15.4		42.7
2.3	15.8	-35.4	-0.1	-15.7		38.4
2.5	15.8	-34.7	-0.1	-15.9		34.2
2.7	15.8	-34.1	-0.1	-16.1		29.8
2.8	15.9	-33.6	-0.2	-16.2		25.9
3.0	15.9	-33.1	-0.2	-16.4		22.1
3.2	15.9	-32.5	-0.2	-16.5		18.3
3.4	15.9	-32.1	-0.2	-16.6		18.5
3.6	15.9	-31.7	-0.3	-16.6		15.3
3.8	15.9	-31.2	-0.3	-16.7		13.0
3.9	16.0	-30.8	-0.3	-16.8		11.2
4.1	16.0	-30.5	-0.4	-16.8		9.8
4.3	16.0	-30.1	-0.4	-16.8		8.7
4.5	16.0	-29.8	-0.5	-16.8		7.8
4.7	16.0	-29.5	-0.5	-16.9		7.0
4.9	16.0	-29.2	-0.5	-16.9		6.4
5.0	16.0	-28.9	-0.6	-16.9		5.9
5.2	16.0	-28.7	-0.6	-16.9		5.4
5.4	16.0	-28.4	-0.7	-16.9		5.0
5.6	15.9	-28.1	-0.7	-16.9		4.7
5.8	15.9	-27.9	-0.7	-16.9		4.4
6.0	15.9	-27.7	-0.8	-17.0		4.1
6.1	15.9	-27.5	-0.8	-16.9		3.9
6.3	15.9	-27.3	-0.9	-16.9		3.6
6.5	15.9	-27.0	-0.9	-16.9		3.4
6.7	15.9	-26.9	-1.0	-16.9		3.3
6.9	15.9	-26.7	-1.0	-16.9		3.1
7.1	15.9	-26.5	-1.1	-16.9		3.0
7.2	15.9	-26.3	-1.1	-16.9		2.8
7.4	15.9	-26.2	-1.2	-16.9		2.7
7.6	15.9	-26.0	-1.2	-16.9		2.6
7.8	15.9	-25.8	-1.3	-16.9		2.5
8.0	15.9	-25.7	-1.3	-16.9		2.3
8.2	15.9	-25.5	-1.4	-16.9		2.2
8.3	15.9	-25.4	-1.4	-16.9		2.1
8.5	15.9	-25.3	-1.5	-16.9		2.0
8.7	15.9	-25.2	-1.6	-16.9		2.0
8.9	15.9	-25.0	-1.6	-16.9		1.9
9.1	15.9	-24.9	-1.7	-16.9		1.8
9.3	15.9	-24.8	-1.7	-16.8		1.7
9.4	15.9	-24.7	-1.8	-16.8		1.7
9.6	15.9	-24.6	-1.8	-16.8		1.6
9.8	15.9	-24.5	-1.9	-16.8		1.5
10.0	15.9	-24.4	-2.0	-16.8		1.5
10.0	15.9	-24.4	-2.0	-16.8		1.4
10.8	15.9	-23.9	-2.2	-16.8		1.3
11.6	15.8	-23.6	-2.5	-16.7		1.3
12.4	15.8	-23.3	-2.8	-16.7		1.2

AM-1696 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
13.3	15.8	-23.0	-3.0	-16.6		1.2
14.1	15.8	-22.7	-3.3	-16.6		1.1
14.9	15.8	-22.5	-3.6	-16.6		1.1
15.7	15.8	-22.3	-3.8	-16.5		1.0
16.5	15.8	-22.1	-4.1	-16.5		1.0
17.3	15.8	-22.0	-4.4	-16.5		0.9
18.2	15.8	-21.8	-4.6	-16.4		0.9
19.0	15.8	-21.7	-4.9	-16.4		0.8
19.8	15.8	-21.6	-5.1	-16.4		0.8
20.6	15.8	-21.5	-5.4	-16.4		0.9
21.4	15.8	-21.4	-5.6	-16.4		0.8
22.2	15.8	-21.3	-5.9	-16.4		0.8
23.1	15.8	-21.2	-6.1	-16.3		0.8
23.9	15.8	-21.2	-6.4	-16.3		0.7
24.7	15.8	-21.1	-6.6	-16.3		0.7
25.5	15.7	-21.0	-6.8	-16.3		0.7
26.3	15.7	-21.0	-7.0	-16.3		0.7
27.1	15.7	-20.9	-7.3	-16.3		0.7
28.0	15.7	-20.9	-7.5	-16.3		0.7
28.8	15.7	-20.8	-7.7	-16.3		0.7
29.6	15.7	-20.8	-7.9	-16.3		0.7
30.4	15.7	-20.8	-8.1	-16.3		0.6
31.2	15.7	-20.7	-8.3	-16.2		0.6
32.0	15.7	-20.7	-8.5	-16.2		0.6
32.9	15.7	-20.7	-8.7	-16.2		0.6
33.7	15.7	-20.6	-8.8	-16.2		0.6
34.5	15.7	-20.6	-9.0	-16.2		0.6
35.3	15.7	-20.6	-9.2	-16.2		0.6
36.1	15.7	-20.6	-9.4	-16.2		0.6
36.9	15.7	-20.6	-9.6	-16.2		0.6
37.8	15.7	-20.5	-9.8	-16.2		0.6
38.6	15.7	-20.5	-9.9	-16.2		0.6
39.4	15.7	-20.5	-10.1	-16.2		0.6
40.2	15.7	-20.5	-10.3	-16.2		0.6
41.0	15.7	-20.5	-10.4	-16.2		0.6
41.8	15.7	-20.5	-10.6	-16.2		0.6
42.7	15.7	-20.4	-10.7	-16.2		0.6
43.5	15.7	-20.4	-10.9	-16.2		0.6
44.3	15.7	-20.4	-11.1	-16.2		0.6
45.1	15.7	-20.4	-11.2	-16.2		0.6
45.9	15.7	-20.4	-11.4	-16.2		0.6
46.7	15.7	-20.4	-11.5	-16.2		0.6
47.6	15.7	-20.4	-11.6	-16.2		0.6
48.4	15.7	-20.4	-11.8	-16.2		0.6
49.2	15.7	-20.4	-11.9	-16.2		0.6
50.0	15.7	-20.3	-12.0	-16.2		0.6
50.0	15.7	-20.3	-12.1	-16.2		0.6
51.0	15.7	-20.3	-12.2	-16.3		0.6
52.0	15.7	-20.3	-12.4	-16.3		0.6
53.1	15.7	-20.3	-12.5	-16.3		0.6
54.1	15.7	-20.3	-12.7	-16.3		0.6
55.1	15.7	-20.3	-12.8	-16.3		0.6

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
56.1	15.7	-20.3	-13.0	-16.3		0.6
57.1	15.7	-20.3	-13.1	-16.3		0.6
58.2	15.7	-20.3	-13.3	-16.3		0.6
59.2	15.7	-20.3	-13.4	-16.3		0.6
60.2	15.7	-20.3	-13.5	-16.3		0.6
61.2	15.7	-20.3	-13.6	-16.3		0.6
62.2	15.7	-20.3	-13.8	-16.2		0.6
63.3	15.7	-20.3	-13.9	-16.2		0.6
64.3	15.7	-20.2	-14.0	-16.2		0.6
65.3	15.7	-20.2	-14.2	-16.3		0.6
66.3	15.7	-20.2	-14.3	-16.2		0.6
67.3	15.7	-20.2	-14.4	-16.2		0.6
68.4	15.7	-20.2	-14.5	-16.2		0.6
69.4	15.7	-20.2	-14.7	-16.2		0.6
70.4	15.7	-20.2	-14.8	-16.2		0.6
71.4	15.7	-20.2	-14.9	-16.2		0.6
72.4	15.7	-20.2	-15.0	-16.2		0.6
73.5	15.7	-20.2	-15.1	-16.2		0.6
74.5	15.7	-20.2	-15.2	-16.2		0.6
75.5	15.7	-20.2	-15.4	-16.2		0.6
76.5	15.7	-20.2	-15.5	-16.2		0.6
77.6	15.7	-20.2	-15.6	-16.2		0.6
78.6	15.7	-20.2	-15.7	-16.2		0.6
79.6	15.7	-20.2	-15.8	-16.2		0.6
80.6	15.7	-20.2	-15.9	-16.2		0.6
81.6	15.7	-20.2	-16.0	-16.2		0.6
82.7	15.7	-20.2	-16.1	-16.2		0.6
83.7	15.7	-20.2	-16.2	-16.2		0.6
84.7	15.7	-20.2	-16.3	-16.2		0.6
85.7	15.7	-20.2	-16.4	-16.2		0.6
86.7	15.7	-20.2	-16.5	-16.2		0.6
87.8	15.7	-20.2	-16.6	-16.2		0.6
88.8	15.7	-20.2	-16.8	-16.2		0.6
89.8	15.7	-20.2	-16.9	-16.2		0.6
90.8	15.7	-20.2	-16.9	-16.2		0.6
91.8	15.7	-20.2	-17.1	-16.2		0.6
92.9	15.7	-20.2	-17.2	-16.2		0.6
93.9	15.7	-20.2	-17.3	-16.2		0.6
94.9	15.7	-20.2	-17.4	-16.2		0.6
95.9	15.7	-20.2	-17.5	-16.2		0.6
96.9	15.7	-20.2	-17.6	-16.1		0.6
98.0	15.7	-20.2	-17.7	-16.2		0.6
99.0	15.7	-20.2	-17.8	-16.2		0.6
100.0	15.7	-20.2	-17.9	-16.1		0.6
100.0	15.7	-20.2	-17.9	-16.1		0.6
102.0	15.7	-20.2	-18.1	-16.1		0.6
104.1	15.7	-20.2	-18.3	-16.1		0.6
106.1	15.7	-20.2	-18.5	-16.1		0.6
108.2	15.7	-20.2	-18.7	-16.1		0.6
110.2	15.7	-20.2	-18.8	-16.1		0.6
112.2	15.7	-20.2	-19.0	-16.1		0.6
114.3	15.7	-20.2	-19.1	-16.1		0.6

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
116.3	15.7	-20.2	-19.3	-16.1		0.6
118.4	15.7	-20.2	-19.4	-16.1		0.6
120.4	15.7	-20.2	-19.6	-16.1		0.6
122.4	15.7	-20.2	-19.6	-16.1		0.6
124.5	15.7	-20.2	-19.7	-16.1		0.6
126.5	15.7	-20.2	-19.8	-16.1		0.6
128.6	15.7	-20.2	-20.0	-16.1		0.6
130.6	15.7	-20.2	-20.1	-16.1		0.6
132.7	15.7	-20.2	-20.2	-16.1		0.6
134.7	15.7	-20.2	-20.4	-16.1		0.6
136.7	15.7	-20.2	-20.5	-16.1		0.6
138.8	15.7	-20.2	-20.6	-16.1		0.6
140.8	15.6	-20.2	-20.8	-16.1		0.6
142.9	15.6	-20.2	-20.9	-16.1		0.6
144.9	15.6	-20.2	-21.0	-16.1		0.6
146.9	15.6	-20.2	-21.1	-16.1		0.6
149.0	15.6	-20.2	-21.2	-16.1		0.6
151.0	15.6	-20.2	-21.4	-16.1		0.6
153.1	15.6	-20.2	-21.5	-16.1		0.6
155.1	15.6	-20.2	-21.6	-16.1		0.6
157.1	15.6	-20.2	-21.7	-16.1		0.6
159.2	15.6	-20.2	-21.9	-16.1		0.6
161.2	15.6	-20.2	-22.0	-16.1		0.6
163.3	15.6	-20.2	-22.2	-16.1		0.6
165.3	15.6	-20.2	-22.3	-16.1		0.6
167.3	15.6	-20.2	-22.4	-16.1		0.6
169.4	15.6	-20.2	-22.6	-16.1		0.6
171.4	15.6	-20.2	-22.7	-16.1		0.6
173.5	15.6	-20.2	-22.8	-16.1		0.6
175.5	15.6	-20.2	-23.0	-16.1		0.6
177.6	15.6	-20.2	-23.1	-16.1		0.6
179.6	15.6	-20.2	-23.2	-16.1		0.6
181.6	15.6	-20.2	-23.3	-16.1		0.6
183.7	15.6	-20.2	-23.5	-16.1		0.6
185.7	15.6	-20.2	-23.5	-16.1		0.6
187.8	15.6	-20.2	-23.6	-16.0		0.6
189.8	15.6	-20.2	-23.7	-16.0		0.6
191.8	15.6	-20.2	-23.7	-16.0		0.6
193.9	15.6	-20.2	-23.8	-16.0		0.6
195.9	15.6	-20.2	-23.8	-16.0		0.6
198.0	15.6	-20.2	-23.9	-16.0		0.6
200.0	15.6	-20.2	-23.9	-16.0		0.6
200.0	15.6	-20.2	-24.0	-16.0		0.6
202.0	15.6	-20.2	-24.0	-15.9		0.6
204.1	15.6	-20.2	-24.0	-15.9		0.6
206.1	15.6	-20.2	-24.1	-15.9		0.6
208.2	15.6	-20.2	-24.1	-15.9		0.6
210.2	15.6	-20.2	-24.2	-15.9		0.6
212.2	15.6	-20.2	-24.2	-15.9		0.6
214.3	15.6	-20.2	-24.3	-15.8		0.6
216.3	15.6	-20.2	-24.4	-15.8		0.6
218.4	15.6	-20.2	-24.4	-15.8		0.6

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
220.4	15.6	-20.2	-24.5	-15.8		0.6
222.4	15.6	-20.2	-24.6	-15.8		0.6
224.5	15.6	-20.2	-24.6	-15.8		0.6
226.5	15.6	-20.2	-24.7	-15.8		0.6
228.6	15.6	-20.2	-24.8	-15.8		0.6
230.6	15.6	-20.2	-24.9	-15.8		0.6
232.7	15.6	-20.2	-24.9	-15.7		0.6
234.7	15.6	-20.2	-25.0	-15.7		0.6
236.7	15.6	-20.2	-25.1	-15.7		0.6
238.8	15.6	-20.2	-25.2	-15.7		0.6
240.8	15.6	-20.2	-25.2	-15.7		0.6
242.9	15.6	-20.2	-25.3	-15.7		0.6
244.9	15.6	-20.2	-25.4	-15.7		0.6
246.9	15.6	-20.2	-25.5	-15.7		0.6
249.0	15.6	-20.2	-25.6	-15.7		0.6
251.0	15.6	-20.3	-25.7	-15.6		0.6
253.1	15.6	-20.3	-25.7	-15.6		0.6
255.1	15.6	-20.3	-25.8	-15.6		0.6
257.1	15.6	-20.3	-25.9	-15.6		0.6
259.2	15.6	-20.3	-26.0	-15.6		0.6
261.2	15.6	-20.3	-26.1	-15.6		0.6
263.3	15.6	-20.3	-26.2	-15.6		0.6
265.3	15.6	-20.3	-26.2	-15.6		0.6
267.3	15.6	-20.3	-26.3	-15.6		0.6
269.4	15.6	-20.3	-26.4	-15.6		0.6
271.4	15.6	-20.3	-26.5	-15.6		0.6
273.5	15.5	-20.3	-26.5	-15.5		0.6
275.5	15.5	-20.3	-26.6	-15.5		0.6
277.6	15.5	-20.3	-26.6	-15.5		0.6
279.6	15.5	-20.3	-26.7	-15.5		0.6
281.6	15.5	-20.3	-26.7	-15.5		0.6
283.7	15.5	-20.3	-26.7	-15.5		0.6
285.7	15.5	-20.3	-26.8	-15.5		0.6
287.8	15.5	-20.3	-26.8	-15.5		0.6
289.8	15.5	-20.3	-26.9	-15.4		0.6
291.8	15.5	-20.3	-26.9	-15.4		0.6
293.9	15.5	-20.3	-26.9	-15.4		0.6
295.9	15.5	-20.3	-26.9	-15.4		0.6
298.0	15.5	-20.3	-26.9	-15.4		0.6
300.0	15.5	-20.3	-27.0	-15.4		0.6
300.0	15.5	-20.3	-26.9	-15.4		0.6
305.3	15.5	-20.3	-27.0	-15.4		0.6
310.5	15.5	-20.3	-27.0	-15.3		0.6
315.8	15.5	-20.3	-26.9	-15.3		0.6
321.1	15.5	-20.3	-26.9	-15.2		0.6
326.3	15.5	-20.4	-26.8	-15.2		0.6
331.6	15.5	-20.4	-26.7	-15.2		0.6
336.8	15.5	-20.4	-26.7	-15.1		0.6
342.1	15.5	-20.4	-26.6	-15.1		0.5
347.4	15.4	-20.4	-26.6	-15.1		0.5
352.6	15.4	-20.4	-26.6	-15.0		0.5
357.9	15.4	-20.4	-26.6	-15.0		0.5

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
363.2	15.4	-20.4	-26.6	-15.0	0.5
368.4	15.4	-20.4	-26.5	-14.9	0.6
373.7	15.4	-20.4	-26.5	-14.9	0.6
378.9	15.4	-20.4	-26.5	-14.8	0.6
384.2	15.4	-20.5	-26.5	-14.8	0.6
389.5	15.4	-20.5	-26.4	-14.7	0.6
394.7	15.4	-20.5	-26.4	-14.7	0.6
400.0	15.4	-20.5	-26.3	-14.7	0.6
400.0	15.4	-20.5	-26.3	-14.7	0.6
405.3	15.4	-20.5	-26.2	-14.6	0.6
410.5	15.4	-20.5	-26.1	-14.6	0.6
415.8	15.4	-20.5	-26.1	-14.6	0.6
421.1	15.3	-20.5	-26.0	-14.5	0.6
426.3	15.3	-20.5	-25.9	-14.5	0.6
431.6	15.3	-20.5	-25.8	-14.4	0.6
436.8	15.3	-20.5	-25.8	-14.4	0.6
442.1	15.3	-20.6	-25.7	-14.4	0.5
447.4	15.3	-20.6	-25.6	-14.3	0.5
452.6	15.3	-20.6	-25.5	-14.3	0.5
457.9	15.3	-20.6	-25.5	-14.2	0.5
463.2	15.3	-20.6	-25.4	-14.2	0.5
468.4	15.3	-20.6	-25.3	-14.1	0.6
473.7	15.3	-20.6	-25.2	-14.1	0.6
478.9	15.3	-20.6	-25.0	-14.1	0.6
484.2	15.2	-20.7	-24.9	-14.0	0.6
489.5	15.2	-20.7	-24.8	-14.0	0.6
494.7	15.2	-20.7	-24.7	-13.9	0.5
500.0	15.2	-20.7	-24.5	-13.9	0.5
500.0	15.2	-20.7	-24.5	-13.9	0.5
505.3	15.2	-20.7	-24.4	-13.8	0.5
510.5	15.2	-20.7	-24.2	-13.8	0.5
515.8	15.2	-20.7	-24.1	-13.8	0.5
521.1	15.2	-20.8	-23.9	-13.7	0.5
526.3	15.1	-20.8	-23.8	-13.7	0.5
531.6	15.1	-20.8	-23.6	-13.7	0.5
536.8	15.1	-20.8	-23.4	-13.6	0.5
542.1	15.1	-20.8	-23.2	-13.6	0.5
547.4	15.1	-20.8	-23.0	-13.6	0.5
552.6	15.1	-20.8	-22.8	-13.5	0.5
557.9	15.1	-20.8	-22.7	-13.5	0.5
563.2	15.1	-20.9	-22.4	-13.4	0.5
568.4	15.1	-20.9	-22.3	-13.4	0.5
573.7	15.1	-20.9	-22.0	-13.4	0.5
578.9	15.1	-20.9	-21.8	-13.3	0.5
584.2	15.0	-20.9	-21.6	-13.3	0.5
589.5	15.0	-20.9	-21.4	-13.2	0.5
594.7	15.0	-20.9	-21.2	-13.2	0.5
600.0	15.0	-21.0	-21.0	-13.1	0.5
600.0	15.0	-21.0	-21.0	-13.1	0.5
605.3	15.0	-21.0	-20.8	-13.1	0.5
610.5	15.0	-21.0	-20.6	-13.0	0.5
615.8	15.0	-21.0	-20.5	-13.0	0.5

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
621.1	15.0	-21.0	-20.3	-13.0	0.5
626.3	15.0	-21.0	-20.2	-12.9	0.5
631.6	15.0	-21.0	-20.0	-12.9	0.5
636.8	15.0	-21.0	-19.9	-12.9	0.5
642.1	15.0	-21.0	-19.7	-12.9	0.5
647.4	14.9	-21.1	-19.6	-12.8	0.5
652.6	14.9	-21.1	-19.5	-12.8	0.5
657.9	14.9	-21.1	-19.3	-12.8	0.5
663.2	14.9	-21.1	-19.2	-12.8	0.5
668.4	14.9	-21.1	-19.1	-12.8	0.5
673.7	14.9	-21.1	-19.0	-12.8	0.5
678.9	14.9	-21.1	-18.8	-12.8	0.5
684.2	14.9	-21.1	-18.7	-12.7	0.5
689.5	14.9	-21.1	-18.6	-12.7	0.5
694.7	14.9	-21.1	-18.4	-12.7	0.5
700.0	14.9	-21.1	-18.3	-12.7	0.5
700.0	14.9	-21.2	-18.3	-12.7	0.5
705.3	14.9	-21.2	-18.1	-12.7	0.5
710.5	14.9	-21.2	-18.0	-12.7	0.5
715.8	14.9	-21.2	-17.9	-12.6	0.5
721.1	14.9	-21.2	-17.7	-12.6	0.5
726.3	14.9	-21.2	-17.6	-12.6	0.5
731.6	14.9	-21.2	-17.4	-12.6	0.5
736.8	14.9	-21.2	-17.3	-12.5	0.5
742.1	14.9	-21.2	-17.1	-12.5	0.5
747.4	14.9	-21.2	-17.0	-12.5	0.5
752.6	14.8	-21.3	-16.9	-12.5	0.5
757.9	14.8	-21.3	-16.8	-12.4	0.5
763.2	14.8	-21.3	-16.6	-12.4	0.5
768.4	14.8	-21.3	-16.5	-12.4	0.5
773.7	14.8	-21.3	-16.4	-12.4	0.5
778.9	14.8	-21.3	-16.3	-12.4	0.5
784.2	14.8	-21.3	-16.2	-12.4	0.5
789.5	14.8	-21.3	-16.1	-12.4	0.5
794.7	14.8	-21.3	-16.0	-12.4	0.5
800.0	14.8	-21.3	-15.9	-12.4	0.5
800.0	14.8	-21.3	-15.9	-12.4	0.5
805.3	14.8	-21.3	-15.8	-12.4	0.5
810.5	14.8	-21.3	-15.7	-12.4	0.5
815.8	14.8	-21.3	-15.7	-12.5	0.5
821.1	14.8	-21.4	-15.6	-12.5	0.5
826.3	14.8	-21.4	-15.5	-12.5	0.5
831.6	14.8	-21.4	-15.4	-12.5	0.5
836.8	14.8	-21.4	-15.3	-12.5	0.5
842.1	14.8	-21.4	-15.2	-12.5	0.5
847.4	14.8	-21.4	-15.2	-12.4	0.5
852.6	14.8	-21.4	-15.0	-12.4	0.5
857.9	14.8	-21.4	-15.0	-12.4	0.5
863.2	14.8	-21.4	-14.9	-12.4	0.5
868.4	14.8	-21.4	-14.8	-12.4	0.5
873.7	14.8	-21.4	-14.7	-12.4	0.5
878.9	14.8	-21.4	-14.7	-12.4	0.5

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
884.2	14.8	-21.4	-14.6	-12.4		0.5
889.5	14.8	-21.5	-14.5	-12.4		0.5
894.7	14.8	-21.5	-14.4	-12.4		0.5
900.0	14.8	-21.5	-14.4	-12.4		0.5
900.0	14.8	-21.5	-14.4	-12.4		0.5
905.3	14.8	-21.5	-14.3	-12.4		0.5
910.5	14.8	-21.5	-14.2	-12.4		0.5
915.8	14.8	-21.5	-14.2	-12.4		0.5
921.1	14.8	-21.5	-14.1	-12.4		0.5
926.3	14.8	-21.5	-14.0	-12.4		0.5
931.6	14.8	-21.5	-14.0	-12.4		0.5
936.8	14.8	-21.5	-13.9	-12.4		0.5
942.1	14.8	-21.5	-13.9	-12.4		0.5
947.4	14.8	-21.5	-13.8	-12.4		0.5
952.6	14.8	-21.5	-13.7	-12.4		0.5
957.9	14.8	-21.6	-13.7	-12.4		0.5
963.2	14.8	-21.6	-13.6	-12.5		0.5
968.4	14.8	-21.6	-13.5	-12.5		0.5
973.7	14.8	-21.6	-13.5	-12.5		0.5
978.9	14.8	-21.6	-13.4	-12.5		0.5
984.2	14.8	-21.6	-13.4	-12.5		0.5
989.5	14.8	-21.6	-13.3	-12.5		0.5
994.7	14.8	-21.6	-13.2	-12.5		0.5
1000.0	14.8	-21.6	-13.2	-12.5		0.5
1000.0	14.8	-21.6	-13.2	-12.5		0.5
1005.3	14.8	-21.6	-13.1	-12.5		0.5
1010.5	14.8	-21.7	-13.1	-12.5		0.5
1015.8	14.7	-21.7	-13.0	-12.5		0.5
1021.1	14.7	-21.7	-13.0	-12.5		0.5
1026.3	14.7	-21.7	-13.0	-12.5		0.5
1031.6	14.7	-21.7	-12.9	-12.5		0.5
1036.8	14.7	-21.7	-12.9	-12.5		0.5
1042.1	14.7	-21.7	-12.9	-12.5		0.5
1047.4	14.7	-21.7	-12.9	-12.5		0.5
1052.6	14.7	-21.7	-12.9	-12.5		0.5
1057.9	14.7	-21.8	-12.9	-12.6		0.5
1063.2	14.7	-21.8	-12.9	-12.6		0.5
1068.4	14.7	-21.8	-12.9	-12.6		0.5
1073.7	14.7	-21.8	-12.9	-12.7		0.5
1078.9	14.7	-21.8	-12.9	-12.7		0.5
1084.2	14.7	-21.8	-12.8	-12.7		0.5
1089.5	14.7	-21.8	-12.8	-12.8		0.5
1094.7	14.7	-21.8	-12.7	-12.8		0.5
1100.0	14.7	-21.8	-12.7	-12.8		0.5
1100.0	14.7	-21.8	-12.7	-12.8		0.5
1105.3	14.7	-21.8	-12.6	-12.9		0.5
1110.5	14.7	-21.8	-12.5	-12.9		0.5
1115.8	14.7	-21.9	-12.5	-12.9		0.5
1121.1	14.7	-21.9	-12.4	-12.9		0.5
1126.3	14.7	-21.9	-12.3	-12.9		0.5
1131.6	14.7	-21.9	-12.2	-12.9		0.5
1136.8	14.7	-21.9	-12.2	-12.9		0.5

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)		S21 Delay Ns
1142.1	14.7	-21.9	-12.1	-12.9		0.5
1147.4	14.7	-21.9	-12.0	-13.0		0.5
1152.6	14.7	-21.9	-12.0	-13.0		0.5
1157.9	14.7	-21.9	-11.9	-13.0		0.5
1163.2	14.8	-21.9	-11.9	-13.0		0.5
1168.4	14.8	-21.9	-11.8	-13.0		0.5
1173.7	14.8	-21.9	-11.8	-13.0		0.5
1178.9	14.8	-21.9	-11.8	-13.1		0.5
1184.2	14.8	-21.9	-11.7	-13.1		0.5
1189.5	14.8	-21.9	-11.7	-13.1		0.5
1194.7	14.8	-21.9	-11.7	-13.1		0.5
1200.0	14.8	-21.9	-11.6	-13.2		0.5
1200.0	14.8	-21.9	-11.7	-13.2		0.5
1205.3	14.8	-22.0	-11.6	-13.2		0.5
1210.5	14.8	-22.0	-11.6	-13.2		0.5
1215.8	14.8	-22.0	-11.6	-13.3		0.5
1221.1	14.8	-22.0	-11.5	-13.3		0.5
1226.3	14.8	-22.0	-11.5	-13.3		0.6
1231.6	14.8	-22.0	-11.5	-13.3		0.5
1236.8	14.8	-22.0	-11.5	-13.3		0.5
1242.1	14.8	-22.0	-11.4	-13.3		0.5
1247.4	14.8	-22.0	-11.4	-13.3		0.5
1252.6	14.8	-22.0	-11.3	-13.3		0.5
1257.9	14.8	-22.0	-11.3	-13.3		0.5
1263.2	14.8	-22.1	-11.3	-13.3		0.5
1268.4	14.8	-22.1	-11.2	-13.3		0.5
1273.7	14.8	-22.1	-11.2	-13.3		0.5
1278.9	14.8	-22.1	-11.1	-13.3		0.5
1284.2	14.8	-22.1	-11.1	-13.4		0.6
1289.5	14.8	-22.1	-11.1	-13.4		0.6
1294.7	14.8	-22.1	-11.1	-13.4		0.6
1300.0	14.8	-22.1	-11.0	-13.4		0.6
1300.0	14.8	-22.1	-11.0	-13.4		0.6
1310.5	14.8	-22.1	-11.0	-13.5		0.6
1321.1	14.8	-22.2	-11.0	-13.6		0.6
1331.6	14.8	-22.2	-10.9	-13.7		0.6
1342.1	14.8	-22.2	-10.9	-13.8		0.6
1352.6	14.8	-22.2	-10.8	-13.9		0.6
1363.2	14.8	-22.2	-10.7	-13.9		0.6
1373.7	14.8	-22.3	-10.6	-14.0		0.6
1384.2	14.7	-22.3	-10.5	-14.0		0.5
1394.7	14.7	-22.3	-10.5	-14.0		0.5
1405.3	14.7	-22.3	-10.4	-14.0		0.5
1415.8	14.7	-22.4	-10.3	-14.0		0.5
1426.3	14.7	-22.4	-10.2	-14.1		0.5
1436.8	14.7	-22.4	-10.2	-14.2		0.5
1447.4	14.7	-22.5	-10.2	-14.3		0.6
1457.9	14.7	-22.5	-10.2	-14.4		0.6
1468.4	14.7	-22.5	-10.1	-14.5		0.6
1478.9	14.7	-22.5	-10.1	-14.6		0.6
1489.5	14.7	-22.5	-10.1	-14.7		0.6
1500.0	14.7	-22.6	-10.1	-14.7		0.6

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
1500.0	14.7	-22.6	-10.1	-14.7	0.6
1513.2	14.7	-22.6	-10.0	-14.7	0.6
1526.3	14.7	-22.6	-9.9	-14.7	0.5
1539.5	14.7	-22.7	-9.8	-14.7	0.5
1552.6	14.7	-22.7	-9.7	-14.7	0.5
1565.8	14.7	-22.7	-9.7	-14.8	0.5
1578.9	14.7	-22.8	-9.7	-14.9	0.5
1592.1	14.7	-22.8	-9.7	-15.1	0.6
1605.3	14.7	-22.8	-9.6	-15.3	0.5
1618.4	14.7	-22.9	-9.6	-15.5	0.5
1631.6	14.7	-22.9	-9.6	-15.6	0.5
1644.7	14.7	-22.9	-9.6	-15.6	0.5
1657.9	14.7	-23.0	-9.5	-15.6	0.5
1671.1	14.7	-23.0	-9.5	-15.6	0.5
1684.2	14.6	-23.0	-9.5	-15.6	0.5
1697.4	14.6	-23.1	-9.4	-15.7	0.5
1710.5	14.6	-23.1	-9.4	-15.8	0.5
1723.7	14.6	-23.1	-9.4	-16.0	0.5
1736.8	14.6	-23.2	-9.3	-16.1	0.6
1750.0	14.6	-23.2	-9.3	-16.3	0.6
1750.0	14.6	-23.2	-9.3	-16.3	0.6
1763.2	14.6	-23.3	-9.1	-16.4	0.6
1776.3	14.6	-23.3	-9.1	-16.5	0.6
1789.5	14.6	-23.3	-9.1	-16.5	0.5
1802.6	14.6	-23.4	-9.1	-16.6	0.5
1815.8	14.6	-23.4	-9.0	-16.6	0.5
1828.9	14.6	-23.5	-9.0	-16.7	0.5
1842.1	14.6	-23.5	-9.0	-16.9	0.5
1855.3	14.6	-23.5	-9.0	-17.0	0.5
1868.4	14.5	-23.6	-8.9	-17.2	0.5
1881.6	14.5	-23.6	-8.9	-17.3	0.5
1894.7	14.5	-23.6	-8.9	-17.3	0.5
1907.9	14.5	-23.7	-8.9	-17.3	0.5
1921.1	14.5	-23.7	-8.9	-17.3	0.5
1934.2	14.5	-23.8	-8.8	-17.3	0.5
1947.4	14.5	-23.8	-8.8	-17.3	0.5
1960.5	14.5	-23.9	-8.8	-17.5	0.5
1973.7	14.5	-23.9	-8.8	-17.7	0.5
1986.8	14.5	-23.9	-8.7	-17.9	0.5
2000.0	14.5	-24.0	-8.7	-18.0	0.5
2000.0	14.5	-24.0	-8.7	-18.0	0.6
2013.2	14.5	-24.0	-8.6	-18.1	0.6
2026.3	14.5	-24.0	-8.6	-18.1	0.6
2039.5	14.5	-24.1	-8.6	-18.0	0.6
2052.6	14.4	-24.1	-8.5	-17.9	0.5
2065.8	14.4	-24.2	-8.5	-17.8	0.5
2078.9	14.4	-24.2	-8.5	-17.9	0.5
2092.1	14.4	-24.2	-8.5	-18.1	0.5
2105.3	14.4	-24.3	-8.4	-18.3	0.5
2118.4	14.4	-24.3	-8.4	-18.6	0.5
2131.6	14.4	-24.3	-8.4	-18.9	0.5
2144.7	14.4	-24.4	-8.4	-19.0	0.5

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
2157.9	14.4	-24.4	-8.5	-19.0	0.5
2171.1	14.4	-24.5	-8.5	-18.9	0.6
2184.2	14.4	-24.5	-8.5	-18.8	0.6
2197.4	14.4	-24.5	-8.6	-18.7	0.6
2210.5	14.4	-24.6	-8.6	-18.6	0.6
2223.7	14.4	-24.6	-8.6	-18.7	0.6
2236.8	14.4	-24.7	-8.6	-18.9	0.6
2250.0	14.4	-24.7	-8.7	-19.1	0.6
2250.0	14.4	-24.7	-8.8	-19.1	0.6
2263.2	14.4	-24.7	-8.9	-19.4	0.6
2276.3	14.4	-24.7	-8.9	-19.5	0.6
2289.5	14.4	-24.8	-8.9	-19.6	0.6
2302.6	14.4	-24.8	-8.9	-19.5	0.6
2315.8	14.4	-24.9	-8.9	-19.4	0.6
2328.9	14.4	-24.9	-8.9	-19.3	0.6
2342.1	14.4	-25.0	-8.9	-19.2	0.6
2355.3	14.4	-25.0	-8.9	-19.3	0.6
2368.4	14.4	-25.0	-8.9	-19.4	0.6
2381.6	14.4	-25.0	-8.9	-19.6	0.6
2394.7	14.4	-25.0	-8.9	-19.8	0.6
2407.9	14.3	-25.1	-8.9	-19.9	0.6
2421.1	14.3	-25.1	-8.9	-19.9	0.6
2434.2	14.3	-25.2	-9.1	-19.8	0.6
2447.4	14.3	-25.2	-9.1	-19.6	0.6
2460.5	14.3	-25.2	-9.1	-19.5	0.6
2473.7	14.3	-25.3	-9.1	-19.5	0.6
2486.8	14.3	-25.3	-9.1	-19.6	0.6
2500.0	14.3	-25.3	-9.1	-19.7	0.6
2750.0	14.3	-25.9	-9.6	-20.0	0.6
2763.2	14.3	-25.9	-9.8	-20.1	0.6
2776.3	14.3	-26.0	-9.9	-20.2	0.6
2789.5	14.3	-26.0	-10.0	-20.3	0.6
2802.6	14.3	-26.0	-10.1	-20.4	0.6
2815.8	14.3	-26.1	-10.1	-20.3	0.6
2828.9	14.3	-26.1	-10.1	-20.2	0.6
2842.1	14.3	-26.1	-10.0	-19.9	0.6
2855.3	14.3	-26.2	-10.0	-19.6	0.6
2868.4	14.3	-26.2	-10.0	-19.4	0.6
2881.6	14.2	-26.2	-10.1	-19.3	0.6
2894.7	14.2	-26.3	-10.2	-19.3	0.6
2907.9	14.2	-26.3	-10.2	-19.4	0.6
2921.1	14.2	-26.4	-10.2	-19.6	0.6
2934.2	14.2	-26.4	-10.2	-19.8	0.6
2947.4	14.2	-26.4	-10.2	-19.9	0.6
2960.5	14.2	-26.5	-10.1	-19.8	0.6
2973.7	14.1	-26.5	-10.1	-19.5	0.6
2986.8	14.1	-26.6	-10.0	-19.2	0.6
3000.0	14.1	-26.6	-10.0	-18.8	0.6