

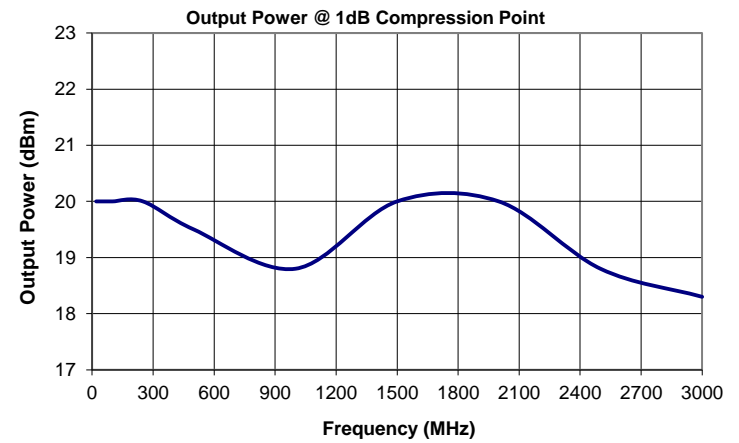
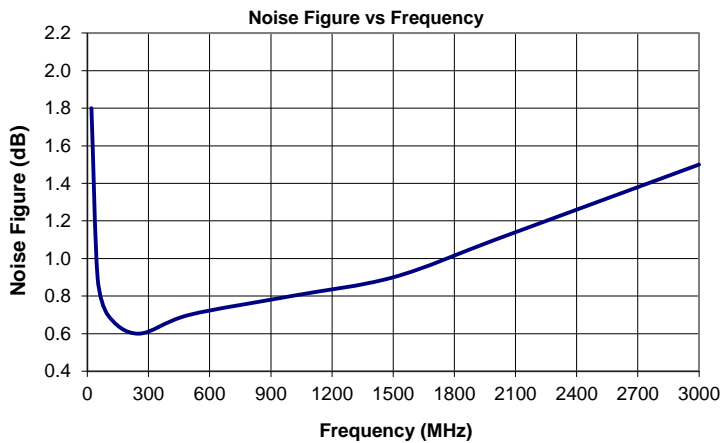
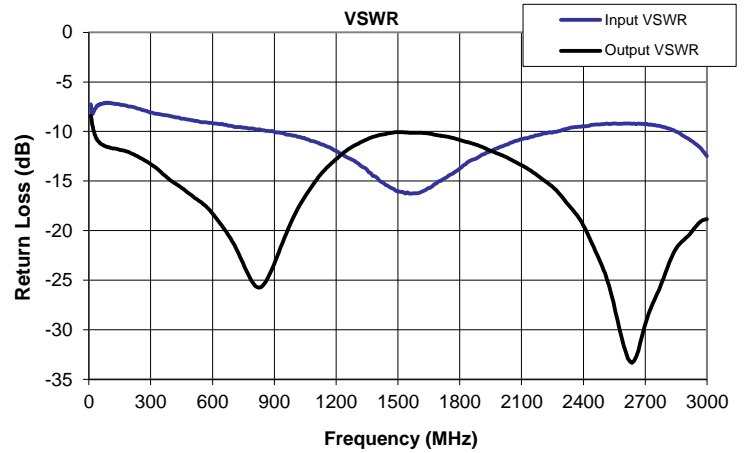
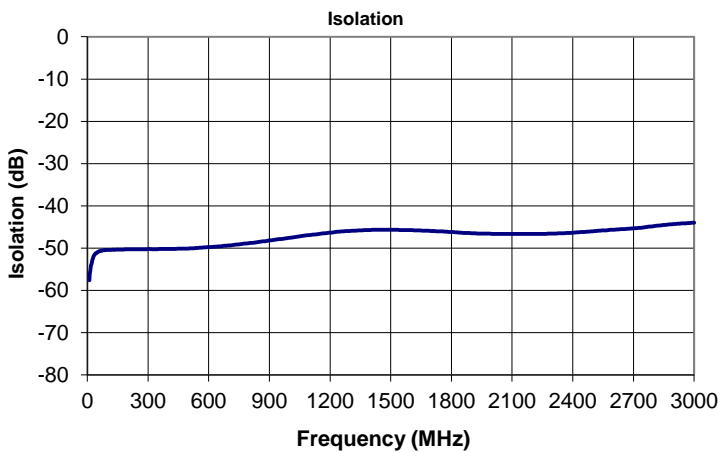
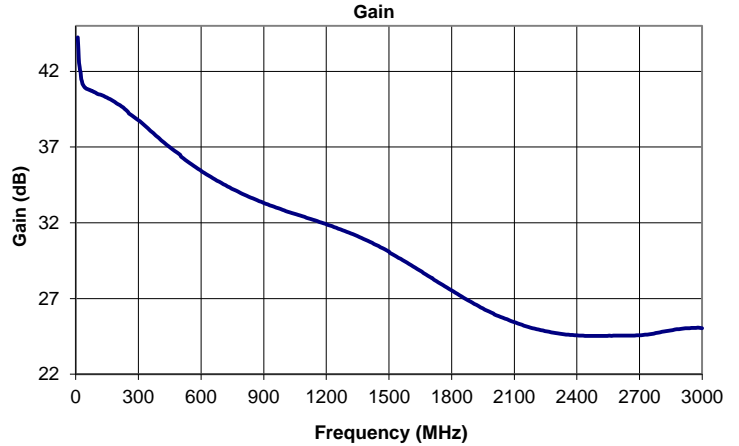
AM-1695

Features

3-Year Warranty
Very Broadband
Very Low Noise Figure

Internally regulated to +5V
Reverse voltage protected
Input Limiter Protected

Typical Data



100 Davids Drive, Hauppauge, NY 11788
TEL.: (631) 439-9220 • FAX: (631) 436-7430
e-mail: components@miteq.com • www.miteq.com

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
10.0	44.2	-57.6	-7.2	-8.4	1.6
12.1	43.4	-56.2	-7.8	-8.7	1.4
14.2	42.9	-55.3	-8.1	-9.0	0.9
16.3	42.5	-54.6	-8.2	-9.3	0.5
18.4	42.3	-54.1	-8.2	-9.5	0.5
20.5	42.1	-53.7	-8.1	-9.7	0.5
22.6	41.9	-53.3	-8.0	-9.9	0.5
24.7	41.7	-52.8	-7.9	-10.0	0.4
26.8	41.5	-52.5	-7.9	-10.2	0.3
28.9	41.3	-52.2	-7.8	-10.3	0.3
31.1	41.2	-51.9	-7.7	-10.4	0.4
33.2	41.2	-51.7	-7.6	-10.5	0.4
35.3	41.1	-51.6	-7.6	-10.6	0.5
37.4	41.0	-51.4	-7.5	-10.7	0.6
39.5	41.0	-51.3	-7.5	-10.8	0.6
41.6	41.0	-51.2	-7.4	-10.9	0.7
43.7	40.9	-51.1	-7.4	-10.9	0.7
45.8	40.9	-51.1	-7.3	-11.0	0.8
47.9	40.9	-51.0	-7.3	-11.0	0.8
50.0	40.9	-50.9	-7.3	-11.1	0.8
52.0	40.9	-50.9	-7.3	-11.1	0.9
54.5	40.8	-50.8	-7.2	-11.2	0.9
57.1	40.8	-50.8	-7.2	-11.2	0.9
59.6	40.8	-50.7	-7.2	-11.2	0.9
62.1	40.8	-50.7	-7.2	-11.3	1.0
64.6	40.8	-50.7	-7.2	-11.3	1.0
67.2	40.8	-50.6	-7.2	-11.3	1.0
69.7	40.7	-50.6	-7.2	-11.4	1.0
72.2	40.7	-50.6	-7.2	-11.4	1.0
74.7	40.7	-50.5	-7.1	-11.4	1.1
77.3	40.7	-50.5	-7.1	-11.5	1.0
79.8	40.7	-50.5	-7.1	-11.5	1.1
82.3	40.7	-50.5	-7.1	-11.5	1.1
84.8	40.7	-50.5	-7.1	-11.5	1.1
87.4	40.6	-50.5	-7.1	-11.5	1.1
89.9	40.6	-50.4	-7.1	-11.6	1.1
92.4	40.6	-50.4	-7.1	-11.6	1.1
94.9	40.6	-50.4	-7.1	-11.6	1.1
97.5	40.6	-50.4	-7.1	-11.6	1.1
100.0	40.5	-50.4	-7.1	-11.6	1.1
102.0	40.5	-50.4	-7.1	-11.6	1.1
109.8	40.5	-50.4	-7.1	-11.7	1.1
117.6	40.5	-50.4	-7.2	-11.7	1.1
125.4	40.4	-50.4	-7.2	-11.7	1.1
133.2	40.4	-50.4	-7.2	-11.8	1.1
140.9	40.3	-50.3	-7.2	-11.8	1.1
148.7	40.3	-50.3	-7.3	-11.8	1.1
156.5	40.2	-50.3	-7.3	-11.9	1.1
164.3	40.2	-50.3	-7.3	-11.9	1.1
172.1	40.1	-50.3	-7.3	-11.9	1.1
179.9	40.0	-50.3	-7.4	-12.0	1.1
187.7	40.0	-50.3	-7.5	-12.0	1.1
195.5	39.9	-50.3	-7.5	-12.1	1.1

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
203.3	39.8	-50.3	-7.5	-12.2	1.1
211.1	39.8	-50.3	-7.5	-12.3	1.1
218.8	39.7	-50.2	-7.6	-12.3	1.1
226.6	39.6	-50.3	-7.6	-12.4	1.1
234.4	39.5	-50.2	-7.7	-12.5	1.1
242.2	39.4	-50.3	-7.7	-12.6	1.1
250.0	39.3	-50.2	-7.8	-12.7	1.1
255.0	39.2	-50.2	-7.8	-12.7	1.1
267.9	39.1	-50.2	-7.9	-12.9	1.1
280.8	39.0	-50.2	-7.9	-13.0	1.1
293.7	38.8	-50.2	-8.1	-13.2	1.1
306.6	38.7	-50.2	-8.1	-13.4	1.0
319.5	38.6	-50.2	-8.2	-13.6	1.0
332.4	38.4	-50.2	-8.2	-13.8	1.0
345.3	38.2	-50.2	-8.3	-14.0	1.0
358.2	38.1	-50.2	-8.3	-14.3	1.0
371.1	37.9	-50.2	-8.3	-14.5	1.0
383.9	37.8	-50.2	-8.4	-14.7	1.0
396.8	37.6	-50.2	-8.5	-14.9	1.0
409.7	37.4	-50.2	-8.5	-15.1	1.0
422.6	37.3	-50.2	-8.6	-15.3	1.0
435.5	37.1	-50.2	-8.6	-15.5	1.0
448.4	37.0	-50.1	-8.7	-15.6	0.9
461.3	36.9	-50.1	-8.7	-15.8	0.9
474.2	36.7	-50.1	-8.8	-16.1	0.9
487.1	36.6	-50.1	-8.8	-16.3	0.9
500.0	36.5	-50.1	-8.9	-16.5	0.9
505.0	36.4	-50.0	-8.9	-16.5	0.9
515.1	36.3	-50.1	-8.9	-16.7	0.9
525.2	36.1	-50.0	-8.9	-16.8	0.9
535.3	36.0	-50.0	-9.0	-17.0	0.9
545.4	35.9	-49.9	-9.1	-17.1	0.9
555.5	35.8	-49.9	-9.1	-17.3	0.9
565.6	35.8	-49.9	-9.1	-17.5	0.9
575.7	35.7	-49.8	-9.1	-17.7	0.9
585.8	35.6	-49.8	-9.1	-17.9	0.9
595.9	35.5	-49.8	-9.1	-18.2	0.9
606.0	35.4	-49.8	-9.2	-18.4	0.9
616.1	35.3	-49.7	-9.2	-18.7	0.9
626.2	35.2	-49.7	-9.2	-19.0	0.9
636.3	35.1	-49.6	-9.3	-19.2	0.9
646.4	35.0	-49.6	-9.2	-19.5	0.9
656.5	35.0	-49.5	-9.3	-19.8	0.9
666.6	34.9	-49.5	-9.3	-20.1	0.9
676.7	34.8	-49.5	-9.4	-20.4	0.9
686.8	34.7	-49.4	-9.4	-20.7	0.9
696.9	34.6	-49.4	-9.5	-21.1	0.9
707.0	34.6	-49.3	-9.6	-21.5	0.9
717.1	34.5	-49.3	-9.5	-21.9	0.9
727.2	34.4	-49.2	-9.6	-22.3	0.9
737.3	34.3	-49.2	-9.6	-22.8	0.9
747.4	34.3	-49.1	-9.6	-23.2	0.9
757.6	34.2	-49.0	-9.6	-23.7	0.9

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
767.7	34.1	-49.0	-9.6	-24.2	0.9
777.8	34.1	-48.9	-9.7	-24.6	0.9
787.9	34.0	-48.9	-9.7	-25.0	0.9
798.0	33.9	-48.8	-9.7	-25.3	0.9
808.1	33.8	-48.8	-9.8	-25.6	0.9
818.2	33.8	-48.7	-9.8	-25.7	0.9
828.3	33.7	-48.7	-9.8	-25.7	0.9
838.4	33.7	-48.6	-9.9	-25.7	0.9
848.5	33.6	-48.6	-9.9	-25.4	0.9
858.6	33.6	-48.5	-9.9	-25.1	0.9
868.7	33.5	-48.4	-9.9	-24.8	0.9
878.8	33.4	-48.3	-10.0	-24.3	0.9
888.9	33.4	-48.3	-9.9	-23.9	0.9
899.0	33.3	-48.2	-10.0	-23.4	0.9
909.1	33.3	-48.1	-10.1	-22.8	0.9
919.2	33.2	-48.0	-10.1	-22.3	0.9
929.3	33.2	-48.0	-10.1	-21.8	0.9
939.4	33.1	-47.9	-10.2	-21.2	0.9
949.5	33.1	-47.9	-10.2	-20.7	0.9
959.6	33.0	-47.8	-10.3	-20.2	0.9
969.7	33.0	-47.8	-10.3	-19.7	0.9
979.8	32.9	-47.7	-10.4	-19.2	0.9
989.9	32.9	-47.6	-10.4	-18.8	0.9
1000.0	32.8	-47.6	-10.4	-18.3	0.9
1005.0	32.8	-47.5	-10.5	-18.1	0.9
1015.1	32.7	-47.5	-10.5	-17.7	0.9
1025.2	32.7	-47.4	-10.6	-17.4	0.9
1035.3	32.6	-47.3	-10.6	-17.0	0.9
1045.4	32.6	-47.2	-10.6	-16.7	0.9
1055.5	32.6	-47.2	-10.8	-16.4	0.9
1065.6	32.5	-47.1	-10.8	-16.0	0.9
1075.7	32.5	-47.0	-10.9	-15.7	0.9
1085.8	32.4	-47.0	-11.0	-15.4	0.9
1095.9	32.4	-46.9	-11.0	-15.1	0.9
1106.0	32.3	-46.9	-11.1	-14.8	0.9
1116.1	32.3	-46.8	-11.2	-14.6	0.9
1126.2	32.2	-46.7	-11.3	-14.3	0.9
1136.3	32.2	-46.7	-11.3	-14.1	0.9
1146.4	32.2	-46.6	-11.4	-13.8	0.9
1156.5	32.1	-46.6	-11.5	-13.6	0.9
1166.6	32.1	-46.5	-11.6	-13.4	0.9
1176.7	32.0	-46.5	-11.7	-13.2	0.9
1186.8	32.0	-46.4	-11.9	-13.0	0.9
1196.9	31.9	-46.4	-11.9	-12.8	0.9
1207.0	31.9	-46.3	-12.0	-12.7	0.9
1217.1	31.8	-46.3	-12.2	-12.5	0.9
1227.2	31.8	-46.2	-12.3	-12.3	0.9
1237.3	31.7	-46.1	-12.4	-12.1	0.9
1247.4	31.7	-46.1	-12.6	-12.0	0.9
1257.6	31.6	-46.0	-12.6	-11.8	0.9
1267.7	31.6	-46.0	-12.7	-11.7	0.9
1277.8	31.5	-46.0	-12.8	-11.5	0.9
1287.9	31.5	-45.9	-12.9	-11.4	0.9

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
1298.0	31.4	-45.9	-13.1	-11.3	0.9
1308.1	31.4	-45.9	-13.2	-11.2	0.9
1318.2	31.3	-45.9	-13.4	-11.1	0.9
1328.3	31.2	-45.8	-13.6	-11.0	0.9
1338.4	31.2	-45.8	-13.7	-10.9	0.9
1348.5	31.1	-45.8	-13.8	-10.8	0.9
1358.6	31.1	-45.8	-14.1	-10.7	0.9
1368.7	31.0	-45.8	-14.2	-10.6	0.9
1378.8	30.9	-45.7	-14.5	-10.5	0.9
1388.9	30.9	-45.7	-14.5	-10.5	0.9
1399.0	30.8	-45.7	-14.7	-10.4	0.9
1409.1	30.7	-45.7	-14.9	-10.4	0.9
1419.2	30.7	-45.7	-15.1	-10.3	0.9
1429.3	30.6	-45.6	-15.2	-10.3	0.9
1439.4	30.5	-45.6	-15.4	-10.3	0.9
1449.5	30.5	-45.6	-15.4	-10.2	0.9
1459.6	30.4	-45.6	-15.6	-10.2	0.9
1469.7	30.3	-45.6	-15.7	-10.1	0.9
1479.8	30.2	-45.6	-15.8	-10.1	0.9
1489.9	30.2	-45.6	-16.0	-10.1	0.9
1500.0	30.1	-45.6	-16.1	-10.1	0.9
1505.0	30.0	-45.6	-16.0	-10.1	0.9
1515.1	29.9	-45.6	-16.1	-10.1	0.9
1525.2	29.9	-45.7	-16.1	-10.1	0.9
1535.3	29.8	-45.7	-16.3	-10.1	0.9
1545.4	29.7	-45.7	-16.1	-10.1	0.9
1555.5	29.6	-45.7	-16.3	-10.1	0.9
1565.6	29.5	-45.7	-16.3	-10.1	0.9
1575.7	29.5	-45.7	-16.2	-10.1	0.9
1585.8	29.4	-45.7	-16.2	-10.1	0.9
1595.9	29.3	-45.7	-16.2	-10.1	0.9
1606.0	29.2	-45.8	-16.2	-10.1	0.9
1616.1	29.1	-45.8	-16.1	-10.1	0.9
1626.2	29.0	-45.8	-16.0	-10.1	0.9
1636.3	28.9	-45.8	-15.9	-10.2	0.9
1646.4	28.9	-45.8	-15.7	-10.2	0.8
1656.5	28.8	-45.8	-15.7	-10.2	0.9
1666.6	28.7	-45.9	-15.5	-10.3	0.9
1676.7	28.6	-45.9	-15.3	-10.3	0.8
1686.8	28.5	-45.9	-15.2	-10.4	0.8
1696.9	28.4	-45.9	-15.0	-10.4	0.8
1707.0	28.3	-46.0	-15.0	-10.4	0.8
1717.1	28.2	-46.0	-14.8	-10.5	0.8
1727.2	28.2	-46.0	-14.7	-10.5	0.8
1737.3	28.1	-46.0	-14.6	-10.5	0.8
1747.4	28.0	-46.0	-14.4	-10.6	0.8
1757.6	27.9	-46.1	-14.3	-10.6	0.8
1767.7	27.8	-46.1	-14.2	-10.7	0.8
1777.8	27.7	-46.1	-14.1	-10.7	0.8
1787.9	27.6	-46.1	-13.9	-10.8	0.8
1798.0	27.5	-46.2	-13.8	-10.8	0.8
1808.1	27.5	-46.2	-13.6	-10.9	0.8
1818.2	27.4	-46.2	-13.4	-11.0	0.8

AM-1695

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
1828.3	27.3	-46.3	-13.3	-11.0	0.8
1838.4	27.2	-46.3	-13.1	-11.1	0.8
1848.5	27.1	-46.3	-13.0	-11.1	0.8
1858.6	27.0	-46.4	-12.9	-11.2	0.8
1868.7	27.0	-46.4	-12.8	-11.2	0.8
1878.8	26.9	-46.4	-12.7	-11.3	0.8
1888.9	26.8	-46.4	-12.6	-11.4	0.8
1899.0	26.7	-46.5	-12.5	-11.5	0.8
1909.1	26.6	-46.5	-12.3	-11.6	0.8
1919.2	26.6	-46.5	-12.3	-11.7	0.8
1929.3	26.5	-46.5	-12.1	-11.8	0.8
1939.4	26.4	-46.6	-12.1	-11.8	0.8
1949.5	26.3	-46.6	-12.0	-11.9	0.8
1959.6	26.3	-46.6	-11.9	-12.0	0.8
1969.7	26.2	-46.6	-11.8	-12.1	0.8
1979.8	26.1	-46.6	-11.7	-12.2	0.8
1989.9	26.1	-46.6	-11.6	-12.3	0.8
2000.0	26.0	-46.6	-11.5	-12.3	0.8
2005.0	26.0	-46.6	-11.5	-12.4	0.8
2015.1	25.9	-46.6	-11.4	-12.5	0.8
2025.2	25.8	-46.6	-11.3	-12.6	0.8
2035.3	25.8	-46.6	-11.3	-12.7	0.8
2045.4	25.7	-46.6	-11.1	-12.8	0.8
2055.5	25.7	-46.6	-11.1	-12.9	0.8
2065.6	25.6	-46.6	-11.0	-13.0	0.7
2075.7	25.6	-46.6	-10.9	-13.1	0.8
2085.8	25.5	-46.6	-10.9	-13.2	0.8
2095.9	25.5	-46.6	-10.8	-13.4	0.7
2106.0	25.4	-46.7	-10.7	-13.5	0.7
2116.1	25.4	-46.6	-10.7	-13.6	0.8
2126.2	25.3	-46.6	-10.7	-13.7	0.8
2136.3	25.3	-46.7	-10.6	-13.8	0.7
2146.4	25.2	-46.7	-10.5	-14.0	0.7
2156.5	25.2	-46.7	-10.5	-14.1	0.8
2166.6	25.1	-46.6	-10.4	-14.3	0.7
2176.7	25.1	-46.6	-10.4	-14.4	0.7
2186.8	25.0	-46.6	-10.3	-14.6	0.8
2196.9	25.0	-46.6	-10.3	-14.7	0.8
2207.0	25.0	-46.6	-10.2	-14.9	0.7
2217.1	24.9	-46.6	-10.2	-15.0	0.8
2227.2	24.9	-46.6	-10.1	-15.2	0.8
2237.3	24.9	-46.6	-10.1	-15.4	0.8
2247.4	24.9	-46.6	-10.1	-15.5	0.8
2257.6	24.8	-46.6	-10.0	-15.7	0.8
2267.7	24.8	-46.6	-10.0	-15.9	0.8
2277.8	24.8	-46.6	-10.0	-16.1	0.8
2287.9	24.7	-46.6	-9.9	-16.4	0.8
2298.0	24.7	-46.5	-9.9	-16.6	0.8
2308.1	24.7	-46.5	-9.8	-16.9	0.7
2318.2	24.7	-46.5	-9.8	-17.2	0.8
2328.3	24.7	-46.5	-9.7	-17.4	0.7
2338.4	24.6	-46.5	-9.6	-17.7	0.8
2348.5	24.6	-46.5	-9.6	-17.9	0.8

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
2358.6	24.6	-46.5	-9.6	-18.2	0.8
2368.7	24.6	-46.4	-9.5	-18.4	0.8
2378.8	24.6	-46.4	-9.5	-18.7	0.8
2388.9	24.6	-46.4	-9.5	-19.0	0.8
2399.0	24.6	-46.3	-9.5	-19.4	0.8
2409.1	24.6	-46.3	-9.5	-19.8	0.8
2419.2	24.5	-46.3	-9.5	-20.2	0.8
2429.3	24.5	-46.3	-9.4	-20.7	0.8
2439.4	24.5	-46.2	-9.3	-21.1	0.8
2449.5	24.5	-46.2	-9.3	-21.6	0.8
2459.6	24.5	-46.2	-9.3	-22.1	0.8
2469.7	24.5	-46.1	-9.3	-22.6	0.8
2479.8	24.5	-46.1	-9.3	-23.0	0.8
2489.9	24.5	-46.0	-9.3	-23.5	0.8
2500.0	24.5	-46.0	-9.2	-24.0	0.8
2505.0	24.5	-46.0	-9.2	-24.3	0.8
2515.1	24.5	-45.9	-9.2	-24.9	0.8
2525.2	24.5	-45.9	-9.3	-25.6	0.8
2535.3	24.5	-45.8	-9.2	-26.4	0.8
2545.4	24.5	-45.8	-9.2	-27.2	0.8
2555.5	24.5	-45.8	-9.2	-28.2	0.8
2565.6	24.5	-45.8	-9.2	-29.1	0.8
2575.7	24.5	-45.7	-9.2	-30.0	0.8
2585.8	24.5	-45.7	-9.2	-30.8	0.8
2595.9	24.5	-45.7	-9.2	-31.6	0.8
2606.0	24.5	-45.6	-9.2	-32.3	0.8
2616.1	24.5	-45.6	-9.2	-32.9	0.8
2626.2	24.5	-45.5	-9.2	-33.2	0.8
2636.3	24.5	-45.5	-9.2	-33.3	0.8
2646.4	24.5	-45.5	-9.2	-33.1	0.8
2656.5	24.6	-45.5	-9.3	-32.7	0.8
2666.6	24.6	-45.4	-9.2	-32.1	0.8
2676.7	24.6	-45.4	-9.2	-31.3	0.8
2686.8	24.6	-45.3	-9.2	-30.4	0.8
2696.9	24.6	-45.3	-9.3	-29.7	0.8
2707.0	24.6	-45.3	-9.2	-29.0	0.8
2717.1	24.6	-45.2	-9.3	-28.4	0.8
2727.2	24.6	-45.2	-9.3	-27.8	0.8
2737.3	24.6	-45.2	-9.3	-27.3	0.8
2747.4	24.6	-45.1	-9.3	-26.8	0.8
2757.6	24.7	-45.0	-9.4	-26.4	0.8
2767.7	24.7	-45.0	-9.4	-25.9	0.8
2777.8	24.7	-44.9	-9.5	-25.4	0.8
2787.9	24.7	-44.9	-9.6	-24.9	0.8
2798.0	24.8	-44.8	-9.6	-24.3	0.8
2808.1	24.8	-44.8	-9.7	-23.7	0.9
2818.2	24.8	-44.7	-9.7	-23.2	0.9
2828.3	24.8	-44.6	-9.8	-22.7	0.9
2838.4	24.9	-44.6	-9.9	-22.2	0.9
2848.5	24.9	-44.5	-10.0	-21.8	0.9
2858.6	24.9	-44.5	-10.1	-21.5	0.9
2868.7	24.9	-44.4	-10.2	-21.3	0.9
2878.8	25.0	-44.4	-10.3	-21.1	0.9

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
2888.9	25.0	-44.3	-10.5	-20.9	0.9
2899.0	25.0	-44.3	-10.6	-20.7	0.9
2909.1	25.0	-44.3	-10.7	-20.5	0.9
2919.2	25.0	-44.2	-10.9	-20.3	0.9
2929.3	25.0	-44.2	-11.0	-20.0	0.9
2939.4	25.0	-44.2	-11.2	-19.7	0.9
2949.5	25.1	-44.1	-11.3	-19.5	0.9
2959.6	25.1	-44.1	-11.5	-19.3	0.9
2969.7	25.1	-44.1	-11.7	-19.1	0.9
2979.8	25.1	-44.1	-11.9	-18.9	0.9
2989.9	25.1	-44.0	-12.2	-18.9	0.9
3000.0	25.0	-44.0	-12.5	-18.8	0.9