

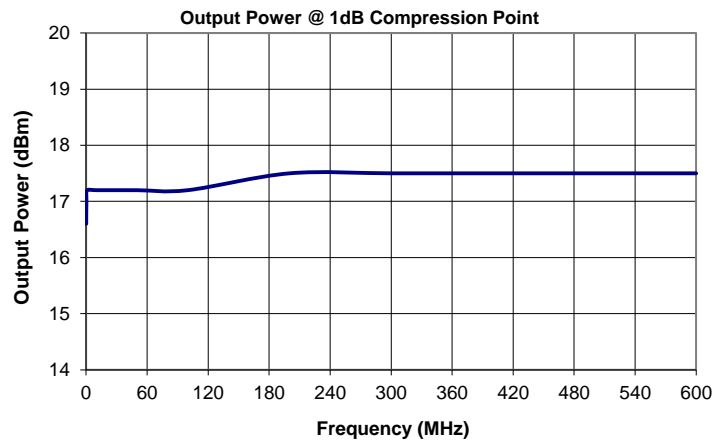
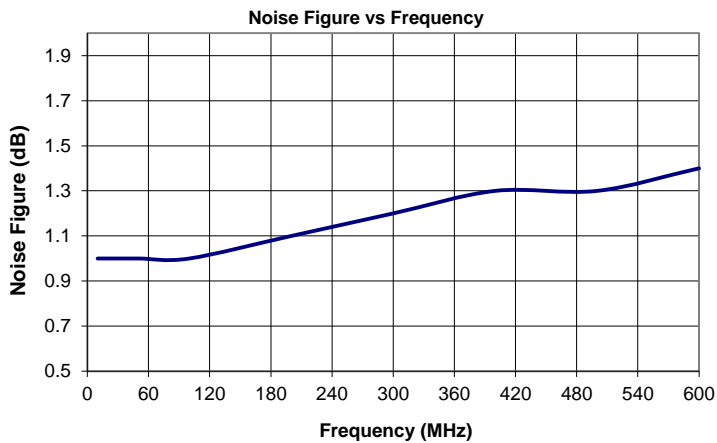
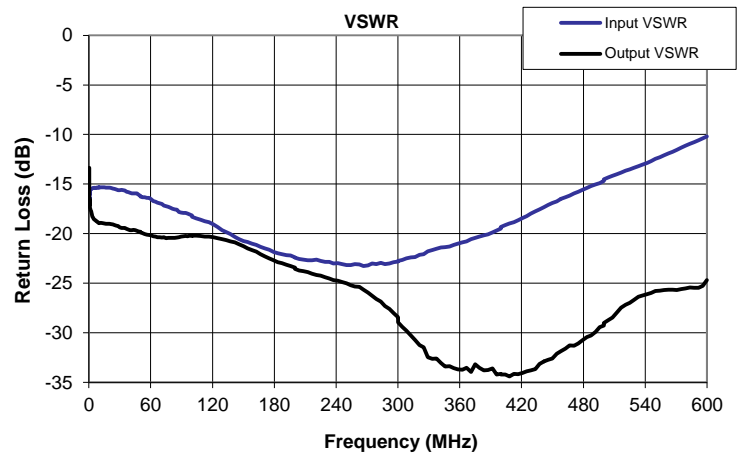
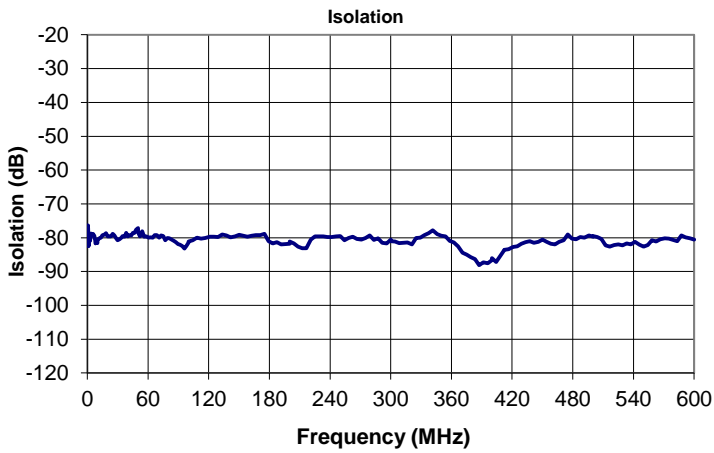
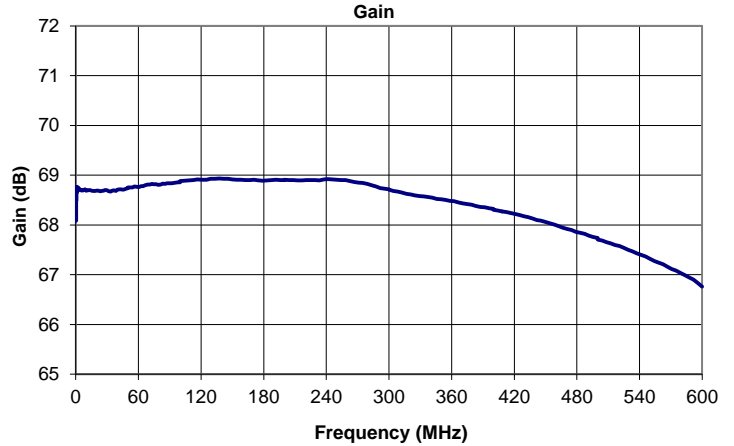
AU-1694

Features

3-Year Warranty
Very Low Noise Figure

Internally regulated to +12V
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
0.3	68.1	-79.5	-16.9	-13.3	246.1
0.3	68.2	-78.2	-16.9	-14.3	200.2
0.3	68.2	-76.4	-16.4	-14.8	71.2
0.3	68.2	-78.8	-16.5	-15.2	88.7
0.4	68.3	-78.0	-16.6	-15.3	78.3
0.4	68.3	-78.2	-16.4	-15.6	73.5
0.4	68.3	-78.1	-16.4	-15.8	47.6
0.4	68.3	-78.3	-16.3	-16.0	38.5
0.4	68.4	-78.1	-16.4	-16.1	19.4
0.4	68.4	-79.3	-16.5	-16.1	-9.9
0.4	68.4	-80.0	-16.6	-16.2	39.9
0.5	68.5	-78.8	-16.5	-16.4	1.4
0.5	68.5	-78.2	-16.5	-16.4	32.4
0.5	68.5	-78.5	-16.5	-16.5	29.3
0.5	68.5	-78.4	-16.4	-16.5	18.0
0.5	68.5	-79.0	-16.4	-16.4	22.9
0.5	68.5	-79.0	-16.3	-16.4	35.4
0.5	68.5	-78.8	-16.3	-16.5	17.4
0.6	68.5	-79.0	-16.2	-16.6	-0.6
0.6	68.5	-79.7	-16.2	-16.6	23.8
0.6	68.5	-78.5	-16.1	-16.6	37.9
0.6	68.5	-77.9	-16.0	-16.7	32.7
0.6	68.6	-78.5	-16.0	-16.7	21.5
0.6	68.6	-80.4	-15.9	-16.7	15.2
0.6	68.6	-80.4	-15.9	-16.8	20.9
0.7	68.6	-80.8	-15.9	-16.7	15.3
0.7	68.6	-81.0	-16.0	-16.8	22.4
0.7	68.6	-80.9	-16.0	-16.8	-11.8
0.7	68.6	-81.1	-15.9	-16.8	25.2
0.7	68.6	-80.6	-15.9	-16.8	19.5
0.7	68.7	-80.1	-15.9	-16.8	8.3
0.7	68.7	-79.8	-15.9	-16.9	-5.7
0.8	68.7	-80.6	-15.9	-16.9	3.6
0.8	68.7	-80.1	-15.9	-16.9	21.0
0.8	68.7	-78.6	-15.8	-16.9	13.1
0.8	68.7	-78.3	-15.9	-16.8	6.0
0.8	68.7	-78.2	-15.8	-16.9	27.5
0.8	68.7	-77.3	-15.8	-16.9	10.3
0.8	68.7	-77.6	-15.8	-16.9	11.0
0.9	68.7	-77.9	-15.8	-16.9	-4.0
0.9	68.7	-78.4	-15.8	-17.0	12.9
0.9	68.7	-78.9	-15.8	-17.0	15.6
0.9	68.7	-80.2	-15.8	-17.0	35.8
0.9	68.7	-80.1	-15.8	-16.9	9.4
0.9	68.7	-80.7	-15.8	-17.0	13.9
0.9	68.7	-81.1	-15.8	-16.9	14.2
1.0	68.7	-82.3	-15.7	-17.0	13.8
1.0	68.7	-82.2	-15.7	-17.1	7.5
1.0	68.8	-82.4	-15.7	-17.2	18.9
1.0	68.8	-82.2	-15.7	-17.3	25.2
1.0	68.8	-81.7	-15.7	-17.4	24.5
1.4	68.7	-81.9	-15.6	-17.5	18.1
1.8	68.7	-81.3	-15.5	-17.6	11.5

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
2.1	68.8	-80.8	-15.5	-17.7	-4.9
2.5	68.7	-81.0	-15.5	-17.9	15.6
2.9	68.7	-80.3	-15.4	-18.0	2.4
3.3	68.7	-79.7	-15.4	-18.2	3.3
3.6	68.7	-78.7	-15.4	-18.3	2.5
4.0	68.7	-79.0	-15.4	-18.4	2.0
4.4	68.7	-79.0	-15.4	-18.5	2.1
4.8	68.7	-79.1	-15.4	-18.5	1.7
5.1	68.7	-79.3	-15.4	-18.6	1.8
5.5	68.7	-78.9	-15.4	-18.6	1.6
5.9	68.7	-78.9	-15.4	-18.6	2.3
6.3	68.7	-79.2	-15.4	-18.7	1.4
6.6	68.7	-79.3	-15.4	-18.7	2.1
7.0	68.7	-79.7	-15.4	-18.7	1.9
7.4	68.7	-80.4	-15.4	-18.7	1.3
7.8	68.7	-80.6	-15.4	-18.8	1.5
8.1	68.7	-81.7	-15.4	-18.8	1.8
8.5	68.7	-81.5	-15.4	-18.8	1.5
8.9	68.7	-81.0	-15.4	-18.8	1.1
9.3	68.7	-81.1	-15.3	-18.9	1.5
9.6	68.7	-81.3	-15.3	-18.9	1.8
10.0	68.7	-81.6	-15.4	-18.9	1.2
10.0	68.7	-80.7	-15.3	-18.9	1.4
11.7	68.7	-80.1	-15.3	-18.9	1.2
13.3	68.7	-80.0	-15.3	-18.9	1.2
15.0	68.7	-79.3	-15.3	-19.0	1.1
16.7	68.7	-79.1	-15.3	-19.0	1.4
18.3	68.7	-78.7	-15.4	-19.0	1.3
20.0	68.7	-79.7	-15.4	-19.0	1.4
21.7	68.7	-79.6	-15.4	-19.0	1.4
23.3	68.7	-79.6	-15.5	-19.1	1.4
25.0	68.7	-78.9	-15.5	-19.1	1.4
26.7	68.7	-79.3	-15.5	-19.2	1.5
28.3	68.7	-80.1	-15.6	-19.2	1.5
30.0	68.7	-80.8	-15.6	-19.4	1.3
31.7	68.7	-80.4	-15.6	-19.4	1.5
33.3	68.7	-80.1	-15.6	-19.4	1.3
35.0	68.7	-79.6	-15.6	-19.4	1.4
36.7	68.7	-79.7	-15.8	-19.5	1.3
38.3	68.7	-78.6	-15.8	-19.6	1.5
40.0	68.7	-79.6	-15.9	-19.6	1.4
41.7	68.7	-79.3	-15.9	-19.6	1.4
43.3	68.7	-79.3	-15.9	-19.6	1.3
45.0	68.7	-78.6	-15.9	-19.7	1.2
46.7	68.7	-78.6	-15.9	-19.7	1.2
48.3	68.7	-77.6	-16.1	-19.8	1.4
50.0	68.7	-77.2	-16.2	-19.8	1.2
50.0	68.8	-78.4	-16.2	-19.9	1.4
52.1	68.8	-79.6	-16.3	-19.9	1.3
54.2	68.8	-78.1	-16.3	-20.0	1.5
56.3	68.8	-79.7	-16.4	-20.1	1.3
58.3	68.8	-79.6	-16.4	-20.1	1.3
60.4	68.8	-80.0	-16.5	-20.2	1.3

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
62.5	68.8	-79.8	-16.7	-20.3	1.6
64.6	68.8	-80.0	-16.8	-20.3	1.5
66.7	68.8	-79.2	-16.9	-20.4	1.5
68.8	68.8	-79.2	-16.9	-20.4	1.4
70.8	68.8	-80.0	-17.0	-20.4	1.5
72.9	68.8	-79.3	-17.2	-20.4	1.5
75.0	68.8	-79.5	-17.2	-20.5	1.5
77.1	68.8	-80.7	-17.3	-20.4	1.4
79.2	68.8	-80.1	-17.4	-20.4	1.4
81.3	68.8	-80.2	-17.5	-20.4	1.6
83.3	68.8	-80.6	-17.5	-20.4	1.6
85.4	68.8	-81.0	-17.6	-20.4	1.5
87.5	68.8	-81.3	-17.8	-20.4	1.6
89.6	68.8	-81.9	-17.9	-20.3	1.4
91.7	68.8	-82.1	-17.9	-20.3	1.4
93.8	68.8	-82.4	-17.9	-20.2	1.4
95.8	68.9	-83.2	-18.0	-20.3	1.4
97.9	68.9	-82.5	-18.1	-20.2	1.4
100.0	68.9	-81.4	-18.2	-20.2	1.4
100.0	68.9	-81.1	-18.3	-20.2	1.4
104.2	68.9	-80.7	-18.4	-20.2	1.3
108.3	68.9	-80.0	-18.6	-20.2	1.3
112.5	68.9	-80.3	-18.7	-20.3	1.3
116.7	68.9	-80.1	-18.8	-20.3	1.3
120.8	68.9	-79.7	-19.1	-20.4	1.4
125.0	68.9	-79.7	-19.3	-20.5	1.6
129.2	68.9	-79.8	-19.6	-20.6	1.6
133.3	68.9	-79.1	-19.9	-20.6	1.5
137.5	68.9	-79.3	-20.0	-20.8	1.5
141.7	68.9	-79.9	-20.3	-20.9	1.5
145.8	68.9	-79.6	-20.5	-21.1	1.6
150.0	68.9	-79.2	-20.7	-21.3	1.6
154.2	68.9	-79.4	-20.8	-21.5	1.5
158.3	68.9	-79.7	-21.0	-21.7	1.6
162.5	68.9	-79.4	-21.1	-21.8	1.5
166.7	68.9	-79.2	-21.3	-22.1	1.5
170.8	68.9	-79.2	-21.5	-22.3	1.5
175.0	68.9	-78.9	-21.6	-22.5	1.5
179.2	68.9	-81.1	-21.8	-22.7	1.6
183.3	68.9	-81.7	-22.0	-22.9	1.4
187.5	68.9	-81.3	-22.1	-23.0	1.4
191.7	68.9	-81.9	-22.2	-23.1	1.4
195.8	68.9	-81.9	-22.2	-23.3	1.4
200.0	68.9	-81.8	-22.4	-23.4	1.4
200.0	68.9	-81.2	-22.4	-23.6	1.4
204.2	68.9	-81.7	-22.6	-23.7	1.5
208.3	68.9	-82.7	-22.6	-23.8	1.4
212.5	68.9	-83.1	-22.7	-23.9	1.4
216.7	68.9	-83.1	-22.7	-24.1	1.4
220.8	68.9	-80.6	-22.6	-24.2	1.4
225.0	68.9	-79.6	-22.7	-24.2	1.5
229.2	68.9	-79.6	-22.9	-24.4	1.6
233.3	68.9	-79.7	-22.8	-24.5	1.5

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
237.5	68.9	-79.8	-23.0	-24.7	1.6
241.7	68.9	-79.8	-23.0	-24.7	1.6
245.8	68.9	-79.6	-23.1	-24.9	1.6
250.0	68.9	-79.5	-23.2	-25.0	1.6
254.2	68.9	-80.7	-23.2	-25.2	1.6
258.3	68.9	-80.1	-23.1	-25.3	1.6
262.5	68.9	-79.7	-23.1	-25.3	1.5
266.7	68.9	-80.4	-23.3	-25.7	1.5
270.8	68.9	-80.6	-23.2	-25.9	1.6
275.0	68.8	-80.1	-23.0	-26.3	1.6
279.2	68.8	-79.3	-23.1	-26.6	1.6
283.3	68.8	-80.7	-23.0	-26.8	1.5
287.5	68.8	-80.2	-23.1	-27.3	1.4
291.7	68.7	-81.5	-23.0	-27.6	1.5
295.8	68.7	-81.7	-22.9	-28.0	1.4
300.0	68.7	-80.6	-22.8	-28.4	1.4
300.0	68.7	-81.0	-22.8	-29.0	1.4
304.2	68.7	-81.1	-22.6	-29.4	1.4
308.3	68.7	-81.6	-22.5	-29.8	1.5
312.5	68.7	-81.5	-22.4	-30.3	1.4
316.7	68.6	-81.4	-22.3	-30.7	1.4
320.8	68.6	-82.0	-22.1	-31.2	1.3
325.0	68.6	-80.0	-22.1	-31.5	1.5
329.2	68.6	-80.0	-21.8	-32.5	1.5
333.3	68.6	-79.2	-21.7	-32.6	1.5
337.5	68.6	-78.6	-21.5	-32.6	1.6
341.7	68.5	-77.8	-21.4	-33.0	1.5
345.8	68.5	-79.0	-21.4	-33.4	1.6
350.0	68.5	-79.4	-21.3	-33.4	1.5
354.2	68.5	-79.7	-21.1	-33.6	1.5
358.3	68.5	-80.9	-21.0	-33.7	1.6
362.5	68.5	-81.4	-20.9	-33.7	1.6
366.7	68.5	-82.5	-20.8	-33.5	1.5
370.8	68.4	-84.4	-20.6	-33.9	1.6
375.0	68.4	-85.0	-20.4	-33.2	1.6
379.2	68.4	-85.8	-20.3	-33.5	1.5
383.3	68.4	-86.3	-20.2	-33.8	1.3
387.5	68.4	-88.2	-20.1	-33.7	1.4
391.7	68.4	-87.3	-19.9	-33.6	1.4
395.8	68.3	-87.5	-19.7	-34.2	1.4
400.0	68.3	-86.7	-19.5	-34.1	1.3
400.0	68.3	-86.1	-19.3	-34.2	1.4
404.2	68.3	-87.1	-19.1	-34.2	1.4
408.3	68.3	-85.4	-19.0	-34.4	1.4
412.5	68.3	-83.6	-18.9	-34.1	1.4
416.7	68.2	-83.4	-18.7	-34.2	1.4
420.8	68.2	-82.8	-18.4	-34.0	1.4
425.0	68.2	-82.6	-18.2	-33.9	1.6
429.2	68.2	-81.8	-18.0	-33.8	1.6
433.3	68.2	-81.3	-17.8	-33.6	1.6
437.5	68.1	-81.0	-17.5	-33.1	1.5
441.7	68.1	-81.5	-17.3	-32.9	1.6
445.8	68.1	-81.2	-17.1	-32.7	1.5

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay Ns
450.0	68.1	-80.6	-16.9	-32.6	1.6
454.2	68.0	-81.2	-16.7	-32.1	1.6
458.3	68.0	-81.8	-16.5	-31.8	1.6
462.5	68.0	-81.9	-16.3	-31.6	1.6
466.7	67.9	-81.2	-16.2	-31.3	1.6
470.8	67.9	-80.7	-15.9	-31.3	1.6
475.0	67.9	-79.0	-15.8	-31.1	1.6
479.2	67.9	-80.2	-15.6	-30.7	1.6
483.3	67.8	-80.4	-15.4	-30.4	1.5
487.5	67.8	-79.8	-15.2	-30.3	1.4
491.7	67.8	-80.0	-15.0	-29.9	1.5
495.8	67.8	-79.3	-14.9	-29.4	1.5
500.0	67.7	-79.7	-14.7	-29.3	1.5
500.0	67.7	-79.5	-14.5	-29.0	1.5
504.2	67.7	-79.8	-14.3	-28.7	1.5
508.3	67.7	-80.3	-14.2	-28.5	1.4
512.5	67.6	-82.2	-14.0	-27.9	1.5
516.7	67.6	-82.7	-13.8	-27.4	1.5
520.8	67.6	-82.2	-13.7	-27.2	1.4
525.0	67.5	-82.0	-13.5	-27.0	1.6
529.2	67.5	-82.3	-13.4	-26.7	1.6
533.3	67.5	-81.7	-13.2	-26.4	1.6
537.5	67.4	-82.0	-13.0	-26.2	1.6
541.7	67.4	-81.2	-12.9	-26.1	1.6
545.8	67.4	-82.1	-12.7	-26.0	1.6
550.0	67.3	-82.6	-12.5	-25.8	1.6
554.2	67.3	-82.1	-12.3	-25.7	1.6
558.3	67.2	-80.8	-12.1	-25.7	1.6
562.5	67.2	-81.1	-11.9	-25.6	1.6
566.7	67.2	-80.5	-11.7	-25.7	1.6
570.8	67.1	-80.2	-11.5	-25.7	1.6
575.0	67.1	-80.3	-11.3	-25.6	1.6
579.2	67.0	-80.6	-11.1	-25.5	1.6
583.3	67.0	-81.0	-10.9	-25.4	1.6
587.5	66.9	-79.3	-10.8	-25.5	1.5
591.7	66.9	-79.9	-10.6	-25.4	1.5
595.8	66.8	-80.1	-10.4	-25.3	1.4
600.0	66.8	-80.6	-10.2	-24.7	1.1