AM-1676

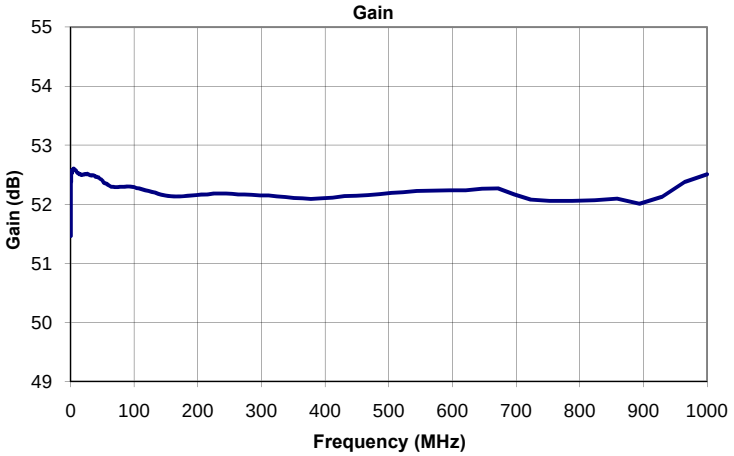
Features

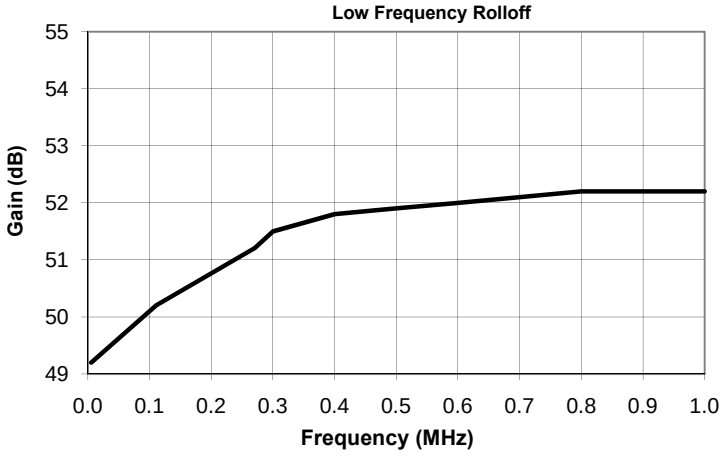
- 3-Year Warramty
- Low Noise Figure
- Low VSWR
- Internally regulated to +12V
- Reverse voltage protected
- Input Limiter Protected

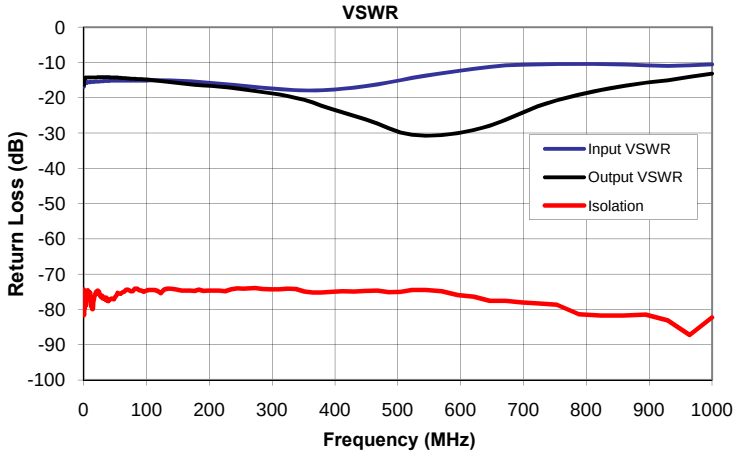
Parameter	Specification
Frequency Range	0.01 - 1000 MHz
Gain	50 dB Min, 52 dB Typ.
Gain Flatness	±1.0 dB Max, ±0.7 dB Typ.
Input VSWR	2.0:1 Max, <1.5:1 Typ.
Output VSWR	2.0:1 Max, <1.5:1 Typ.
*Noise Figure (dB)	1.3, 1.4, 1.8
*Output P1dB (dBm)	+13, +14, +13
DC Voltage	+15 to +30 (Marked for +15)
DC Current	115 mA

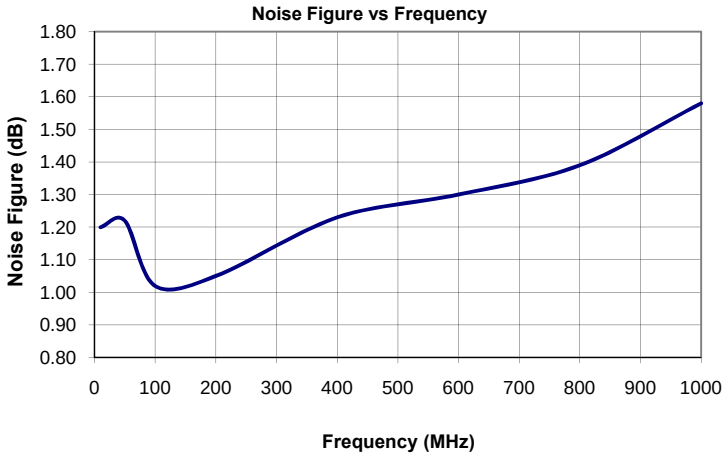
*Noise Figure at 10 MHz, 500 MHz & 1000 MHz

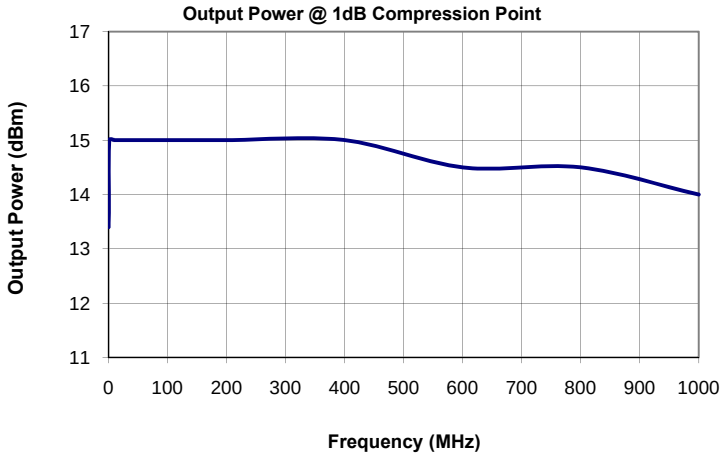
*P1dB at 0.3 MHz, 500 MHz & 1000 MHz











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)
0.30	51.5	-74.6	-16.8	-16.3	-13.1
0.31	51.6	-74.4	-16.9	-16.1	48.3
0.33	51.6	-78.7	-16.8	-16.0	34.2
0.34	51.7	-79.7	-16.7	-16.0	45.4
0.36	51.7	-78.4	-16.7	-15.9	24.0
0.37	51.8	-78.8	-16.7	-15.8	31.8
0.38	51.8	-79.1	-16.6	-15.7	30.9
0.40	51.9	-81.6	-16.5	-15.6	19.5
0.41	51.9	-80.0	-16.5	-15.6	7.5
0.43	51.9	-79.9	-16.5	-15.5	23.4
0.45	52.0	-79.0	-16.5	-15.4	2.9
0.47	52.0	-79.1	-16.4	-15.3	17.9
0.49	52.1	-79.7	-16.4	-15.3	29.4
0.51	52.1	-79.8	-16.4	-15.2	29.5
0.53	52.1	-80.0	-16.3	-15.2	19.6
0.55	52.2	-79.8	-16.2	-15.1	33.3
0.57	52.2	-78.4	-16.2	-15.1	22.2
0.60	52.2	-78.4	-16.2	-15.0	26.5
0.63	52.3	-78.6	-16.2	-15.0	23.9
0.65	52.3	-77.9	-16.2	-15.0	28.4
0.68	52.3	-78.0	-16.1	-14.9	10.1
0.71	52.3	-77.6	-16.1	-14.9	14.3
0.74	52.4	-77.8	-16.1	-14.9	15.2
0.76	52.4	-76.9	-16.1	-14.8	20.8
0.79	52.4	-77.4	-16.1	-14.8	12.5
0.83	52.4	-76.9	-16.1	-14.8	13.7
0.87	52.4	-77.3	-16.1	-14.7	17.2
0.91	52.4	-76.8	-16.0	-14.7	8.0
0.94	52.5	-76.7	-16.0	-14.7	9.2
0.98	52.5	-76.7	-16.0	-14.7	16.5
1.02	52.5	-76.8	-16.0	-14.6	12.1
1.05	52.5	-76.9	-16.0	-14.6	12.2
1.10	52.5	-77.4	-16.0	-14.6	11.1
1.15	52.5	-77.1	-15.9	-14.6	8.6
1.20	52.5	-77.9	-16.0	-14.6	9.6
1.25	52.5	-77.8	-15.9	-14.5	7.3
1.30	52.5	-77.7	-15.9	-14.5	11.6
1.36	52.5	-77.7	-15.9	-14.5	10.4
1.41	52.5	-77.5	-15.9	-14.5	7.1
1.46	52.5	-77.5	-15.9	-14.5	6.7
1.52	52.5	-77.0	-15.9	-14.5	6.8
1.59	52.5	-76.7	-15.9	-14.4	6.1
1.66	52.5	-76.5	-15.9	-14.4	7.3
1.73	52.6	-75.5	-15.8	-14.4	8.4
1.80	52.6	-75.6	-15.8	-14.4	5.7
1.88	52.6	-75.8	-15.8	-14.4	4.8
1.95	52.6	-76.5	-15.8	-14.4	3.6
2.02	52.6	-76.5	-15.8	-14.4	3.5
2.10	52.6	-76.9	-15.8	-14.4	5.5
2.20	52.6	-77.4	-15.8	-14.4	5.6
2.30	52.6	-78.1	-15.8	-14.4	4.6
2.40	52.6	-78.3	-15.8	-14.4	3.1

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
2.50	52.6	-78.9	-15.8	-14.4	3.3
2.59	52.6	-78.9	-15.8	-14.3	2.6
2.69	52.6	-78.9	-15.8	-14.3	3.0
2.79	52.6	-78.5	-15.7	-14.3	3.7
2.91	52.6	-78.6	-15.7	-14.3	3.8
3.04	52.6	-79.0	-15.7	-14.3	3.5
3.18	52.6	-78.5	-15.7	-14.3	1.4
3.32	52.6	-78.1	-15.7	-14.3	2.3
3.45	52.6	-77.3	-15.7	-14.3	1.7
3.59	52.6	-76.6	-15.7	-14.3	2.9
3.73	52.6	-76.6	-15.7	-14.3	2.7
3.86	52.6	-76.3	-15.7	-14.3	1.3
4.02	52.6	-76.9	-15.7	-14.3	2.1
4.21	52.6	-76.8	-15.7	-14.3	1.6
4.40	52.6	-76.4	-15.7	-14.3	1.9
4.59	52.6	-76.3	-15.7	-14.3	1.5
4.78	52.6	-76.2	-15.7	-14.3	1.6
4.97	52.6	-76.0	-15.7	-14.3	2.1
5.15	52.6	-76.4	-15.7	-14.3	0.9
5.34	52.6	-76.0	-15.7	-14.3	2.0
5.56	52.6	-76.0	-15.7	-14.3	2.3
5.82	52.6	-75.0	-15.7	-14.3	1.8
6.09	52.6	-75.1	-15.7	-14.3	1.7
6.35	52.6	-74.6	-15.6	-14.3	1.8
6.61	52.6	-74.6	-15.6	-14.3	2.3
6.87	52.6	-75.0	-15.6	-14.3	1.7
7.13	52.6	-75.7	-15.6	-14.3	1.7
7.39	52.6	-75.4	-15.6	-14.3	1.9
7.70	52.6	-75.1	-15.6	-14.3	1.5
8.06	52.6	-75.4	-15.6	-14.3	1.6
8.42	52.6	-75.5	-15.6	-14.3	1.6
8.78	52.6	-75.4	-15.6	-14.3	1.8
9.14	52.6	-75.7	-15.6	-14.3	1.5
9.50	52.5	-75.7	-15.6	-14.3	1.4
9.86	52.5	-75.3	-15.6	-14.3	1.8
10.2	52.5	-75.2	-15.6	-14.3	1.7
10.6	52.5	-77.5	-15.6	-14.3	1.7
11.1	52.5	-78.6	-15.6	-14.3	1.5
11.6	52.5	-78.9	-15.6	-14.3	1.5
12.1	52.5	-79.2	-15.6	-14.3	1.7
12.6	52.5	-79.3	-15.6	-14.3	1.7
13.1	52.5	-79.2	-15.5	-14.3	1.4
13.6	52.5	-80.0	-15.5	-14.3	1.3
14.1	52.5	-79.9	-15.5	-14.2	1.3
14.7	52.5	-79.8	-15.5	-14.2	1.4
15.4	52.5	-78.0	-15.5	-14.2	1.3
16.1	52.5	-77.2	-15.5	-14.2	1.2
16.8	52.5	-76.5	-15.5	-14.2	1.5
17.5	52.5	-76.1	-15.5	-14.2	1.4
18.3	52.5	-75.8	-15.5	-14.2	1.3
19.0	52.5	-75.6	-15.5	-14.2	1.4
19.7	52.5	-75.0	-15.5	-14.2	1.2

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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
20.4	52.5	-75.4	-15.4	-14.2	1.4
21.2	52.5	-74.9	-15.4	-14.2	1.4
22.2	52.5	-74.7	-15.4	-14.2	1.4
23.2	52.5	-74.8	-15.4	-14.2	1.5
24.2	52.5	-74.9	-15.4	-14.2	1.4
25.2	52.5	-76.0	-15.4	-14.2	1.4
26.2	52.5	-76.2	-15.4	-14.2	1.3
27.2	52.5	-76.2	-15.4	-14.2	1.4
28.2	52.5	-76.5	-15.3	-14.2	1.5
29.3	52.5	-76.2	-15.4	-14.2	1.3
30.7	52.5	-77.0	-15.3	-14.2	1.4
32.1	52.5	-76.8	-15.3	-14.2	1.4
33.5	52.5	-76.8	-15.3	-14.2	1.5
34.9	52.5	-77.4	-15.3	-14.2	1.3
36.2	52.5	-76.6	-15.3	-14.2	1.3
37.6	52.5	-77.3	-15.2	-14.2	1.4
39.0	52.5	-77.6	-15.2	-14.2	1.3
40.6	52.5	-77.2	-15.2	-14.2	1.2
42.5	52.5	-77.1	-15.2	-14.2	1.3
44.4	52.5	-76.9	-15.2	-14.2	1.3
46.3	52.4	-77.0	-15.2	-14.2	1.4
48.2	52.4	-77.1	-15.2	-14.3	1.2
50.1	52.4	-76.4	-15.2	-14.3	1.4
52.0	52.4	-76.1	-15.2	-14.3	1.3
53.9	52.4	-75.3	-15.2	-14.3	1.2
56.2	52.3	-75.5	-15.2	-14.3	1.3
58.8	52.3	-75.5	-15.2	-14.4	1.3
61.4	52.3	-75.3	-15.2	-14.4	1.2
64.1	52.3	-75.0	-15.2	-14.5	1.2
66.7	52.3	-74.6	-15.2	-14.5	1.3
69.3	52.3	-74.4	-15.2	-14.5	1.3
72.0	52.3	-74.6	-15.2	-14.6	1.2
74.6	52.3	-74.8	-15.2	-14.6	1.3
77.7	52.3	-74.9	-15.2	-14.6	1.3
81.3	52.3	-74.2	-15.2	-14.7	1.2
85.0	52.3	-74.2	-15.2	-14.7	1.3
88.6	52.3	-74.6	-15.2	-14.7	1.3
92.2	52.3	-74.6	-15.2	-14.8	1.3
95.9	52.3	-75.0	-15.2	-14.8	1.3
99.5	52.3	-74.7	-15.1	-14.9	1.3
103.2	52.3	-74.5	-15.1	-14.9	1.3
107.5	52.3	-74.5	-15.1	-15.0	1.3
112.5	52.2	-74.5	-15.1	-15.1	1.3
117.5	52.2	-74.7	-15.1	-15.2	1.3
122.6	52.2	-75.4	-15.1	-15.2	1.3
127.6	52.2	-74.4	-15.1	-15.3	1.3
132.6	52.2	-74.1	-15.1	-15.5	1.3
137.7	52.2	-74.1	-15.1	-15.6	1.2
142.7	52.2	-74.2	-15.1	-15.7	1.2
148.6	52.2	-74.4	-15.2	-15.9	1.2
155.6	52.1	-74.6	-15.2	-16.0	1.2
162.6	52.1	-74.7	-15.3	-16.1	1.2
169.5	52.1	-74.6	-15.3	-16.2	1.2
176.5	52.1	-74.8	-15.4	-16.3	1.2
183.5	52.1	-74.4	-15.5	-16.4	1.2
190.5	52.1	-74.7	-15.6	-16.5	1.2
197.4	52.2	-74.6	-15.8	-16.6	1.2
205.6	52.2	-74.7	-15.9	-16.7	1.3
215.3	52.2	-74.7	-16.0	-16.9	1.3
224.9	52.2	-74.8	-16.2	-17.0	1.3
234.5	52.2	-74.3	-16.3	-17.2	1.3
244.2	52.2	-74.0	-16.5	-17.4	1.3
253.8	52.2	-74.1	-16.6	-17.6	1.3
263.5	52.2	-74.1	-16.8	-17.9	1.3
273.1	52.2	-74.0	-17.0	-18.1	1.3
284.4	52.2	-74.2	-17.2	-18.4	1.3
297.8	52.1	-74.3	-17.4	-18.8	1.3
311.1	52.2	-74.3	-17.6	-19.1	1.3
324.4	52.1	-74.1	-17.7	-19.5	1.3
337.8	52.1	-74.3	-17.9	-20.0	1.3
351.1	52.1	-75.0	-18.0	-20.6	1.3
364.5	52.1	-75.2	-18.0	-21.4	1.3
377.8	52.1	-75.2	-17.9	-22.2	1.3
393.4	52.1	-75.0	-17.8	-23.1	1.2
411.9	52.1	-74.8	-17.5	-24.1	1.3
430.3	52.1	-75.0	-17.2	-25.1	1.3
448.8	52.1	-74.8	-16.7	-26.2	1.3
467.2	52.2	-74.7	-16.2	-27.3	1.3
485.7	52.2	-75.1	-15.7	-28.7	1.3
504.1	52.2	-75.0	-15.1	-29.9	1.3
522.6	52.2	-74.5	-14.4	-30.5	1.3
544.2	52.2	-74.5	-13.8	-30.8	1.3
569.8	52.2	-74.9	-13.1	-30.6	1.3
595.3	52.2	-75.9	-12.5	-30.1	1.3
620.8	52.2	-76.4	-11.8	-29.2	1.3
646.3	52.3	-77.6	-11.3	-27.9	1.3
671.9	52.3	-77.6	-10.8	-26.2	1.4
697.4	52.2	-78.1	-10.6	-24.3	1.4
722.9	52.1	-78.3	-10.5	-22.4	1.3
752.8	52.1	-78.6	-10.4	-20.7	1.3
788.1	52.1	-81.4	-10.4	-19.2	1.3
823.5	52.1	-81.8	-10.5	-17.9	1.4
858.8	52.1	-81.7	-10.5	-16.7	1.4
894.1	52.0	-81.4	-10.9	-15.7	1.4
929.4	52.1	-83.1	-11.0	-15.1	1.4
964.7	52.4	-87.3	-10.8	-14.0	1.5
1000	52.5	-82.3	-10.5	-13.2	1.6