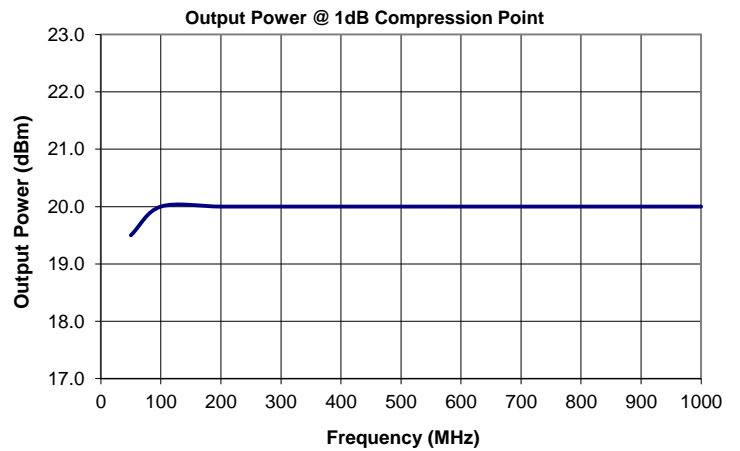
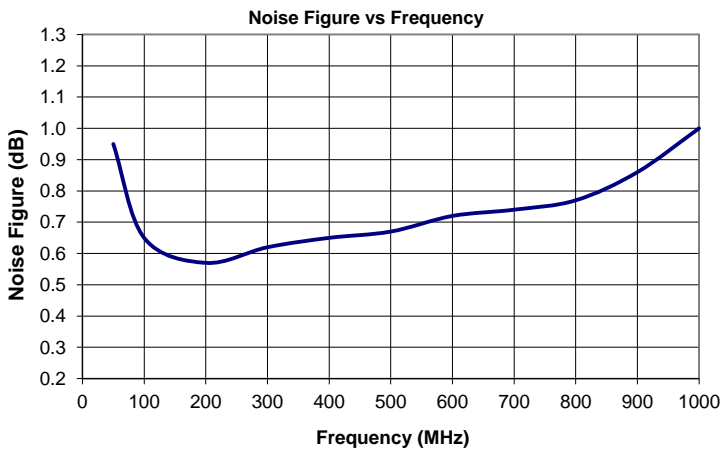
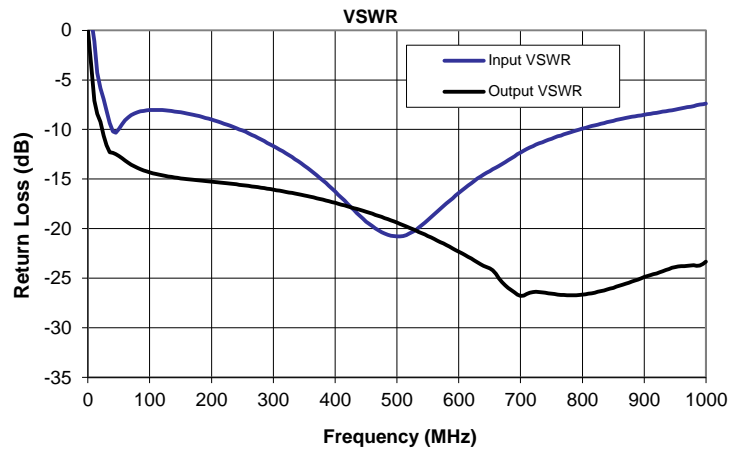
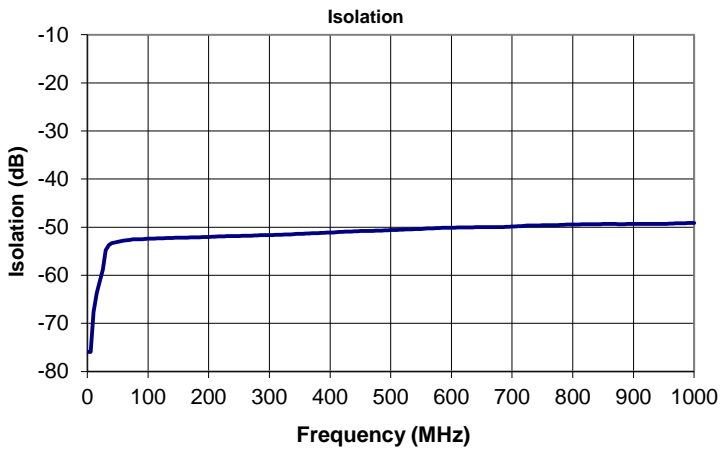
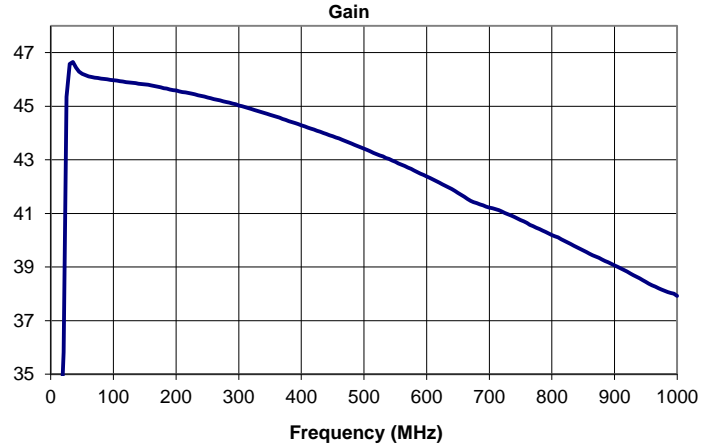
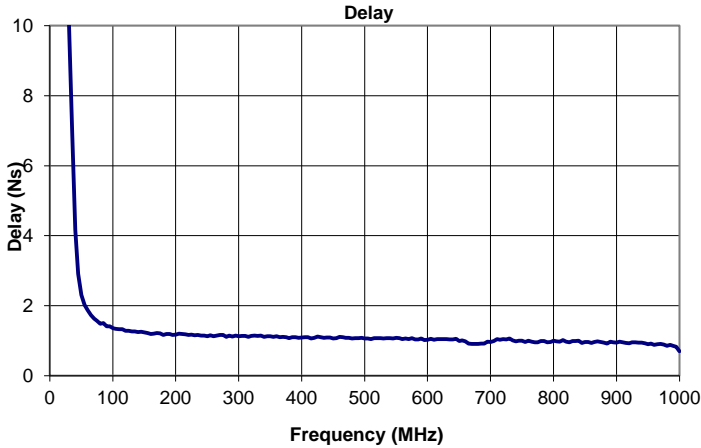


# AU-1679 & AM-1679-1000

## Features

Very low noise figure  
 +19 dBm typical P1dB  
 +36 dBm Typical Third Order Intercept Point

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



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

# AU-1679 & AM-1679-1000

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
0.30	-39.6	-75.9	-0.1	0.0	47.11
5.30	13.7	-75.9	1.1	-3.5	41.28
10.30	27.3	-67.6	-1.1	-7.1	32.96
15.30	32.8	-63.7	-4.3	-8.4	25.09
20.29	35.8	-61.4	-5.8	-9.2	20.13
25.29	45.4	-58.9	-6.9	-10.6	15.14
30.29	46.6	-54.8	-8.1	-11.6	10.15
35.29	46.7	-53.7	-9.4	-12.3	7.06
40.29	46.4	-53.3	-10.2	-12.4	4.17
45.29	46.3	-53.1	-10.3	-12.5	2.91
50.29	46.2	-53.0	-9.9	-12.7	2.31
55.28	46.2	-52.9	-9.4	-12.9	2.02
60.28	46.1	-52.8	-9.1	-13.1	1.87
65.28	46.1	-52.7	-8.8	-13.3	1.73
70.28	46.1	-52.6	-8.5	-13.5	1.63
75.28	46.1	-52.5	-8.4	-13.7	1.56
80.28	46.0	-52.5	-8.3	-13.9	1.48
85.27	46.0	-52.5	-8.2	-14.0	1.50
90.27	46.0	-52.5	-8.1	-14.1	1.41
95.27	46.0	-52.4	-8.1	-14.2	1.41
100.27	46.0	-52.4	-8.0	-14.3	1.36
105.27	46.0	-52.4	-8.0	-14.4	1.34
110.27	45.9	-52.4	-8.0	-14.5	1.33
115.27	45.9	-52.3	-8.0	-14.6	1.33
120.26	45.9	-52.3	-8.0	-14.6	1.28
125.26	45.9	-52.3	-8.1	-14.7	1.29
130.26	45.9	-52.3	-8.1	-14.7	1.26
135.26	45.9	-52.2	-8.1	-14.8	1.27
140.26	45.8	-52.2	-8.2	-14.8	1.25
145.26	45.8	-52.2	-8.2	-14.9	1.26
150.26	45.8	-52.2	-8.3	-14.9	1.24
155.25	45.8	-52.2	-8.3	-15.0	1.22
160.25	45.8	-52.2	-8.4	-15.0	1.20
165.25	45.8	-52.2	-8.5	-15.0	1.20
170.25	45.7	-52.1	-8.5	-15.1	1.22
175.25	45.7	-52.1	-8.6	-15.1	1.21
180.25	45.7	-52.1	-8.6	-15.1	1.16
185.24	45.7	-52.1	-8.7	-15.2	1.19
190.24	45.6	-52.1	-8.8	-15.2	1.20
195.24	45.6	-52.0	-8.9	-15.2	1.16
200.24	45.6	-52.0	-9.0	-15.3	1.18
205.24	45.6	-52.0	-9.1	-15.3	1.20
210.24	45.5	-51.9	-9.2	-15.3	1.19
215.24	45.5	-51.9	-9.3	-15.3	1.18
220.23	45.5	-51.9	-9.4	-15.4	1.16
225.23	45.5	-51.9	-9.5	-15.4	1.17
230.23	45.4	-51.9	-9.6	-15.5	1.16
235.23	45.4	-51.9	-9.7	-15.5	1.16
240.23	45.4	-51.9	-9.9	-15.5	1.15
245.23	45.4	-51.8	-10.0	-15.6	1.15
250.23	45.3	-51.8	-10.1	-15.6	1.12
255.22	45.3	-51.8	-10.2	-15.7	1.15
260.22	45.3	-51.8	-10.4	-15.7	1.13

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
265.22	45.2	-51.8	-10.5	-15.7	1.14
270.22	45.2	-51.8	-10.7	-15.8	1.17
275.22	45.2	-51.7	-10.8	-15.8	1.16
280.22	45.2	-51.7	-11.0	-15.9	1.11
285.21	45.1	-51.7	-11.2	-15.9	1.14
290.21	45.1	-51.7	-11.3	-16.0	1.12
295.21	45.1	-51.7	-11.5	-16.0	1.15
300.21	45.0	-51.6	-11.7	-16.1	1.13
305.21	45.0	-51.6	-11.9	-16.1	1.13
310.21	45.0	-51.6	-12.0	-16.2	1.13
315.21	44.9	-51.6	-12.2	-16.2	1.11
320.20	44.9	-51.6	-12.4	-16.3	1.13
325.20	44.9	-51.5	-12.6	-16.3	1.14
330.20	44.8	-51.5	-12.8	-16.4	1.14
335.20	44.8	-51.5	-13.0	-16.5	1.15
340.20	44.8	-51.4	-13.2	-16.5	1.11
345.20	44.7	-51.4	-13.4	-16.6	1.12
350.20	44.7	-51.4	-13.6	-16.6	1.13
355.19	44.6	-51.4	-13.9	-16.7	1.11
360.19	44.6	-51.3	-14.1	-16.8	1.13
365.19	44.6	-51.3	-14.3	-16.9	1.10
370.19	44.5	-51.3	-14.6	-16.9	1.11
375.19	44.5	-51.3	-14.9	-17.0	1.10
380.19	44.4	-51.2	-15.1	-17.1	1.08
385.18	44.4	-51.2	-15.4	-17.2	1.10
390.18	44.4	-51.2	-15.7	-17.2	1.10
395.18	44.3	-51.1	-16.0	-17.3	1.08
400.18	44.3	-51.1	-16.3	-17.4	1.09
405.18	44.3	-51.1	-16.6	-17.5	1.10
410.18	44.2	-51.0	-16.9	-17.6	1.10
415.18	44.2	-51.0	-17.2	-17.7	1.06
420.17	44.1	-51.0	-17.5	-17.7	1.08
425.17	44.1	-50.9	-17.8	-17.8	1.12
430.17	44.0	-50.9	-18.1	-17.9	1.10
435.17	44.0	-50.9	-18.4	-18.0	1.08
440.17	44.0	-50.9	-18.7	-18.1	1.09
445.17	43.9	-50.8	-19.0	-18.2	1.09
450.17	43.9	-50.8	-19.3	-18.3	1.06
455.16	43.8	-50.8	-19.5	-18.4	1.07
460.16	43.8	-50.8	-19.8	-18.5	1.11
465.16	43.7	-50.8	-20.0	-18.6	1.10
470.16	43.7	-50.8	-20.2	-18.7	1.08
475.16	43.7	-50.7	-20.3	-18.8	1.08
480.16	43.6	-50.7	-20.5	-18.9	1.06
485.15	43.6	-50.7	-20.6	-19.0	1.08
490.15	43.5	-50.7	-20.7	-19.2	1.07
495.15	43.5	-50.7	-20.8	-19.3	1.09
500.15	43.4	-50.6	-20.8	-19.4	1.07
505.15	43.4	-50.6	-20.8	-19.5	1.06
510.15	43.3	-50.6	-20.7	-19.7	1.04
515.15	43.3	-50.5	-20.6	-19.8	1.07
520.14	43.2	-50.5	-20.5	-19.9	1.07
525.14	43.2	-50.5	-20.3	-20.0	1.08

# AU-1679 & AM-1679-1000

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
530.14	43.1	-50.5	-20.2	-20.2	1.06
535.14	43.1	-50.4	-19.9	-20.3	1.08
540.14	43.0	-50.4	-19.7	-20.5	1.07
545.14	43.0	-50.4	-19.4	-20.6	1.06
550.14	42.9	-50.4	-19.1	-20.7	1.08
555.13	42.9	-50.3	-18.8	-20.9	1.07
560.13	42.8	-50.3	-18.6	-21.0	1.05
565.13	42.8	-50.3	-18.3	-21.2	1.06
570.13	42.7	-50.2	-18.0	-21.3	1.05
575.13	42.7	-50.2	-17.7	-21.5	1.07
580.13	42.6	-50.2	-17.4	-21.7	1.04
585.12	42.5	-50.1	-17.2	-21.8	1.03
590.12	42.5	-50.1	-16.9	-22.0	1.06
595.12	42.4	-50.1	-16.7	-22.2	1.02
600.12	42.4	-50.1	-16.4	-22.3	1.03
605.12	42.3	-50.1	-16.1	-22.5	1.06
610.12	42.3	-50.1	-15.9	-22.7	1.03
615.12	42.2	-50.1	-15.6	-22.8	1.04
620.11	42.2	-50.1	-15.4	-23.0	1.04
625.11	42.1	-50.0	-15.2	-23.2	1.05
630.11	42.0	-50.0	-14.9	-23.4	1.04
635.11	42.0	-50.0	-14.7	-23.6	1.03
640.11	41.9	-50.0	-14.6	-23.7	1.04
645.11	41.8	-50.0	-14.4	-23.9	1.05
650.11	41.8	-50.0	-14.2	-24.0	0.99
655.10	41.7	-50.0	-14.0	-24.2	1.01
660.10	41.6	-50.0	-13.8	-24.5	0.98
665.10	41.5	-50.0	-13.7	-25.0	0.92
670.10	41.5	-50.0	-13.5	-25.4	0.91
675.10	41.4	-50.0	-13.3	-25.7	0.91
680.10	41.4	-50.0	-13.1	-26.0	0.91
685.09	41.3	-50.0	-12.9	-26.2	0.92
690.09	41.3	-49.9	-12.7	-26.4	0.92
695.09	41.3	-49.9	-12.5	-26.6	0.97
700.09	41.2	-49.8	-12.3	-26.8	0.97
705.09	41.2	-49.8	-12.1	-26.8	0.99
710.09	41.2	-49.8	-12.0	-26.6	1.04
715.09	41.1	-49.8	-11.8	-26.4	1.03
720.08	41.1	-49.7	-11.7	-26.4	1.04
725.08	41.0	-49.7	-11.5	-26.4	1.04
730.08	41.0	-49.7	-11.4	-26.4	1.06
735.08	40.9	-49.7	-11.3	-26.4	1.01
740.08	40.9	-49.6	-11.2	-26.5	0.98
745.08	40.8	-49.6	-11.0	-26.5	1.00
750.08	40.7	-49.6	-10.9	-26.6	1.00
755.07	40.7	-49.6	-10.8	-26.6	0.97
760.07	40.6	-49.6	-10.7	-26.6	1.00
765.07	40.6	-49.6	-10.6	-26.7	0.97
770.07	40.5	-49.6	-10.5	-26.7	0.96
775.07	40.5	-49.6	-10.4	-26.7	0.95
780.07	40.4	-49.5	-10.3	-26.7	0.99
785.06	40.4	-49.5	-10.2	-26.7	0.99
790.06	40.3	-49.5	-10.1	-26.7	0.95

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
795.06	40.3	-49.5	-10.0	-26.7	0.96
800.06	40.2	-49.4	-9.9	-26.7	1.00
805.06	40.1	-49.4	-9.8	-26.6	0.98
810.06	40.1	-49.4	-9.7	-26.6	0.97
815.06	40.0	-49.4	-9.7	-26.5	1.01
820.05	40.0	-49.4	-9.6	-26.4	0.97
825.05	39.9	-49.4	-9.5	-26.4	0.95
830.05	39.9	-49.4	-9.4	-26.3	0.99
835.05	39.8	-49.4	-9.3	-26.2	0.99
840.05	39.7	-49.4	-9.3	-26.1	1.00
845.05	39.7	-49.4	-9.2	-26.0	0.94
850.05	39.6	-49.3	-9.1	-26.0	0.96
855.04	39.6	-49.3	-9.0	-25.9	0.96
860.04	39.5	-49.3	-9.0	-25.8	0.93
865.04	39.4	-49.3	-8.9	-25.7	0.96
870.04	39.4	-49.3	-8.8	-25.6	0.98
875.04	39.3	-49.4	-8.8	-25.4	0.96
880.04	39.3	-49.4	-8.7	-25.3	0.94
885.03	39.2	-49.4	-8.7	-25.2	0.92
890.03	39.2	-49.3	-8.6	-25.1	0.97
895.03	39.1	-49.3	-8.6	-25.0	0.95
900.03	39.1	-49.3	-8.5	-24.9	0.94
905.03	39.0	-49.3	-8.5	-24.8	0.97
910.03	39.0	-49.3	-8.4	-24.7	0.95
915.03	38.9	-49.3	-8.4	-24.6	0.94
920.02	38.8	-49.3	-8.3	-24.5	0.93
925.02	38.8	-49.3	-8.3	-24.4	0.95
930.02	38.7	-49.3	-8.2	-24.3	0.95
935.02	38.6	-49.3	-8.1	-24.2	0.95
940.02	38.6	-49.3	-8.1	-24.1	0.94
945.02	38.5	-49.3	-8.1	-23.9	0.92
950.02	38.4	-49.3	-8.0	-23.9	0.90
955.01	38.4	-49.3	-7.9	-23.8	0.91
960.01	38.3	-49.3	-7.9	-23.8	0.88
965.01	38.3	-49.2	-7.8	-23.8	0.90
970.01	38.2	-49.2	-7.8	-23.7	0.91
975.01	38.2	-49.2	-7.7	-23.7	0.89
980.01	38.1	-49.2	-7.6	-23.7	0.85
985.00	38.1	-49.2	-7.6	-23.7	0.88
990.00	38.0	-49.1	-7.5	-23.7	0.86
995.00	38.0	-49.1	-7.4	-23.5	0.82
1000.00	37.9	-49.1	-7.4	-23.3	0.70