

AM-3A-000110

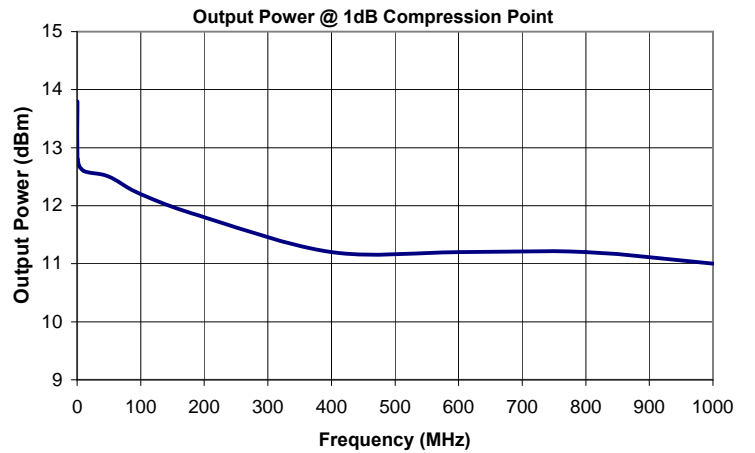
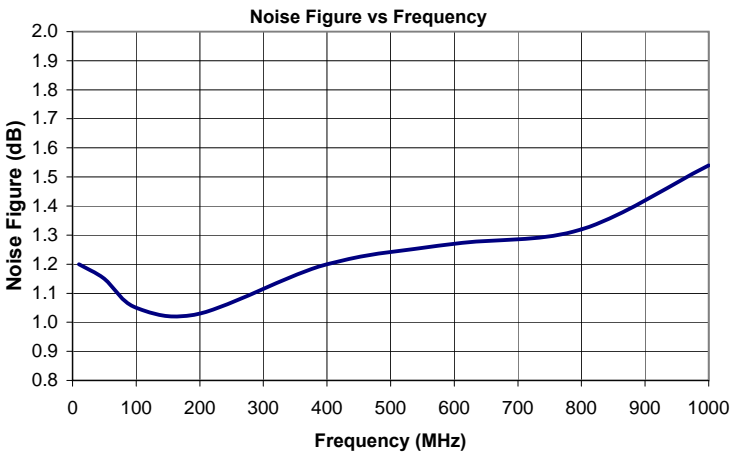
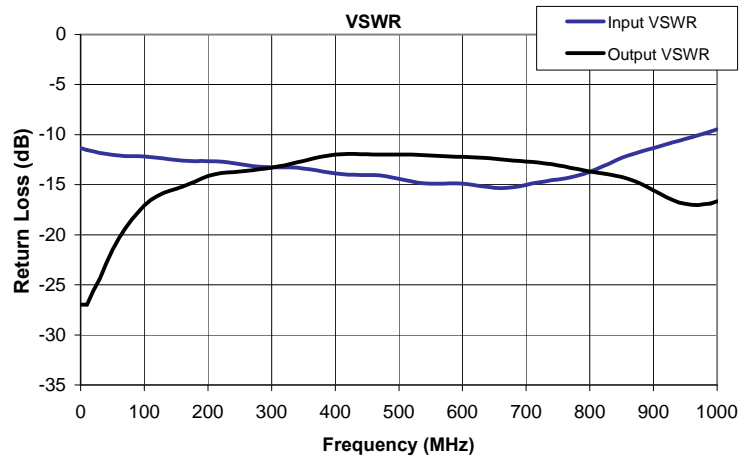
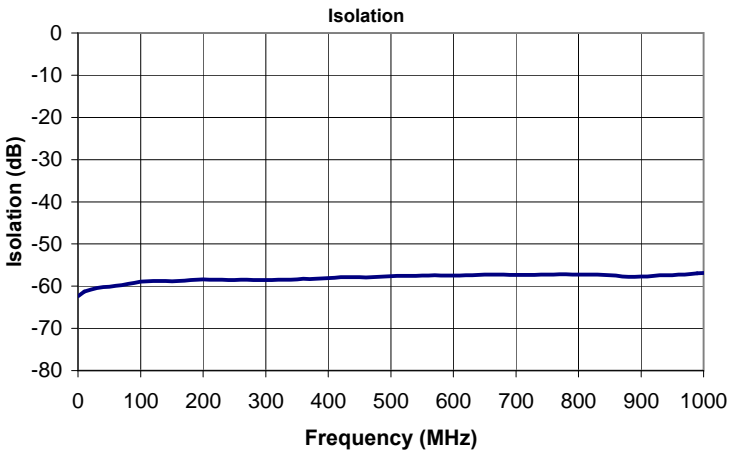
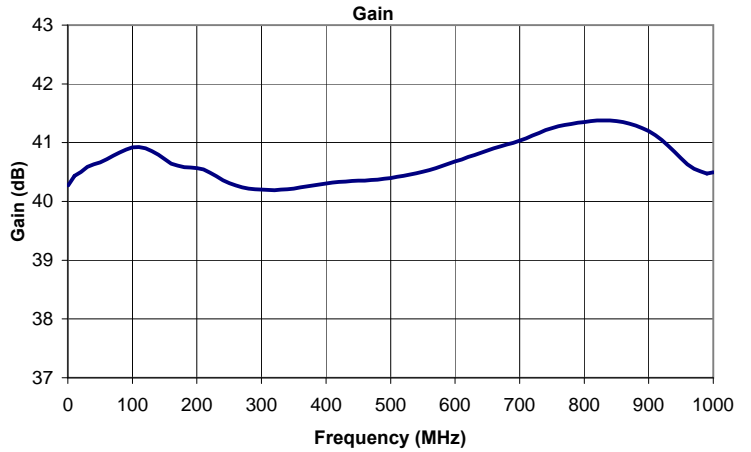
Features

- Very low noise figure
- Good gain flatness
- Usable to <300 KHz
- Internally regulated to +12V
- Reverse voltage protected
- Input Limiter Protected

Parameter	Specification
Frequency Range (MHz)	1-1000 MHz
Gain (dB)	37 dB Min. (40 dB Typ.)
Gain Flatness (\pm dB)	± 0.75 dB Max. (± 0.5 dB Typ.)
Input VSWR (dBRL)	2.0:1 Max.
Output VSWR (dBRL)	2.0:1 Max.
*Noise Figure (dB)	1.2, 1.4, 1.7
*Output P1dB (dBm)	12, 11, 9
DC Voltage	+15 to +30
DC Current (mA)	73

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

*P1dB at 0.3 MHz, 500 MHz & 1000 MHz



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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
0.3	40.3	-62.3	-11.4	-27.0	9.9
10.3	40.4	-61.3	-11.6	-27.0	7.0
20.3	40.5	-60.8	-11.7	-25.6	4.8
30.3	40.6	-60.5	-11.8	-24.4	3.1
40.3	40.6	-60.2	-11.9	-22.8	1.4
50.3	40.7	-60.1	-12.0	-21.5	1.4
60.3	40.7	-59.9	-12.1	-20.3	1.4
70.3	40.8	-59.8	-12.1	-19.3	1.4
80.3	40.8	-59.4	-12.1	-18.5	1.5
90.3	40.9	-59.2	-12.2	-17.8	1.5
100.3	40.9	-59.0	-12.2	-17.1	1.5
110.3	40.9	-58.8	-12.2	-16.5	1.6
120.3	40.9	-58.7	-12.3	-16.1	1.5
130.3	40.9	-58.8	-12.4	-15.8	1.5
140.3	40.8	-58.8	-12.5	-15.6	1.5
150.3	40.7	-58.8	-12.5	-15.4	1.4
160.3	40.6	-58.7	-12.6	-15.2	1.4
170.2	40.6	-58.7	-12.6	-14.9	1.3
180.2	40.6	-58.6	-12.6	-14.7	1.4
190.2	40.6	-58.4	-12.6	-14.4	1.4
200.2	40.6	-58.4	-12.6	-14.1	1.4
210.2	40.5	-58.4	-12.7	-14.0	1.4
220.2	40.5	-58.5	-12.7	-13.9	1.4
230.2	40.4	-58.5	-12.7	-13.8	1.4
240.2	40.4	-58.5	-12.8	-13.7	1.3
250.2	40.3	-58.5	-12.9	-13.7	1.3
260.2	40.3	-58.5	-13.0	-13.6	1.3
270.2	40.2	-58.5	-13.1	-13.5	1.3
280.2	40.2	-58.5	-13.2	-13.5	1.3
290.2	40.2	-58.6	-13.2	-13.4	1.3
300.2	40.2	-58.6	-13.3	-13.3	1.3
310.2	40.2	-58.6	-13.3	-13.2	1.3
320.2	40.2	-58.5	-13.3	-13.1	1.3
330.2	40.2	-58.5	-13.3	-12.9	1.3
340.2	40.2	-58.4	-13.3	-12.8	1.3
350.2	40.2	-58.4	-13.4	-12.6	1.3
360.2	40.2	-58.3	-13.5	-12.5	1.3
370.2	40.3	-58.3	-13.6	-12.3	1.4
380.2	40.3	-58.3	-13.7	-12.2	1.4
390.2	40.3	-58.2	-13.8	-12.1	1.4
400.2	40.3	-58.1	-13.9	-12.0	1.4
410.2	40.3	-58.0	-13.9	-11.9	1.4
420.2	40.3	-57.9	-14.0	-11.9	1.4
430.2	40.3	-57.8	-14.0	-11.9	1.4
440.2	40.3	-57.8	-14.0	-11.9	1.4
450.2	40.4	-57.9	-14.0	-12.0	1.4
460.2	40.4	-57.9	-14.0	-12.0	1.4
470.2	40.4	-57.9	-14.1	-12.0	1.4
480.2	40.4	-57.8	-14.2	-12.0	1.4
490.2	40.4	-57.7	-14.3	-12.0	1.4
500.2	40.4	-57.6	-14.4	-12.0	1.4

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay (Ns)
510.1	40.4	-57.6	-14.5	-12.0	1.4
520.1	40.4	-57.6	-14.7	-12.0	1.4
530.1	40.5	-57.5	-14.8	-12.0	1.4
540.1	40.5	-57.6	-14.9	-12.0	1.4
550.1	40.5	-57.5	-14.9	-12.1	1.4
560.1	40.5	-57.5	-14.9	-12.1	1.4
570.1	40.6	-57.4	-14.9	-12.1	1.4
580.1	40.6	-57.5	-14.9	-12.2	1.4
590.1	40.6	-57.4	-14.9	-12.2	1.4
600.1	40.7	-57.5	-14.9	-12.2	1.4
610.1	40.7	-57.5	-15.0	-12.2	1.4
620.1	40.8	-57.4	-15.0	-12.3	1.4
630.1	40.8	-57.4	-15.1	-12.3	1.4
640.1	40.8	-57.3	-15.2	-12.4	1.4
650.1	40.9	-57.2	-15.3	-12.4	1.4
660.1	40.9	-57.2	-15.3	-12.5	1.4
670.1	40.9	-57.3	-15.3	-12.5	1.4
680.1	41.0	-57.2	-15.2	-12.6	1.4
690.1	41.0	-57.3	-15.2	-12.6	1.5
700.1	41.0	-57.3	-15.0	-12.7	1.5
710.1	41.1	-57.3	-14.9	-12.7	1.5
720.1	41.1	-57.3	-14.8	-12.8	1.5
730.1	41.2	-57.3	-14.7	-12.9	1.5
740.1	41.2	-57.2	-14.6	-13.0	1.5
750.1	41.2	-57.3	-14.5	-13.1	1.5
760.1	41.3	-57.2	-14.4	-13.2	1.5
770.1	41.3	-57.2	-14.3	-13.3	1.5
780.1	41.3	-57.2	-14.1	-13.4	1.5
790.1	41.3	-57.3	-13.9	-13.6	1.6
800.1	41.4	-57.2	-13.7	-13.7	1.6
810.1	41.4	-57.3	-13.4	-13.8	1.6
820.1	41.4	-57.3	-13.2	-13.9	1.6
830.1	41.4	-57.3	-12.9	-14.0	1.6
840.0	41.4	-57.3	-12.6	-14.1	1.6
850.0	41.4	-57.4	-12.3	-14.2	1.6
860.0	41.3	-57.5	-12.1	-14.4	1.6
870.0	41.3	-57.7	-11.9	-14.6	1.6
880.0	41.3	-57.8	-11.7	-14.9	1.7
890.0	41.2	-57.8	-11.5	-15.2	1.6
900.0	41.2	-57.7	-11.3	-15.6	1.6
910.0	41.1	-57.7	-11.1	-15.9	1.6
920.0	41.0	-57.5	-11.0	-16.2	1.6
930.0	40.9	-57.4	-10.8	-16.5	1.6
940.0	40.8	-57.4	-10.6	-16.8	1.5
950.0	40.7	-57.4	-10.4	-16.9	1.5
960.0	40.6	-57.3	-10.3	-17.0	1.5
970.0	40.6	-57.2	-10.1	-17.0	1.4
980.0	40.5	-57.1	-9.9	-16.9	1.4
990.0	40.5	-57.0	-9.7	-16.9	1.5
1000.0	40.5	-56.9	-9.5	-16.7	1.5