

AM-1607-Series

Features

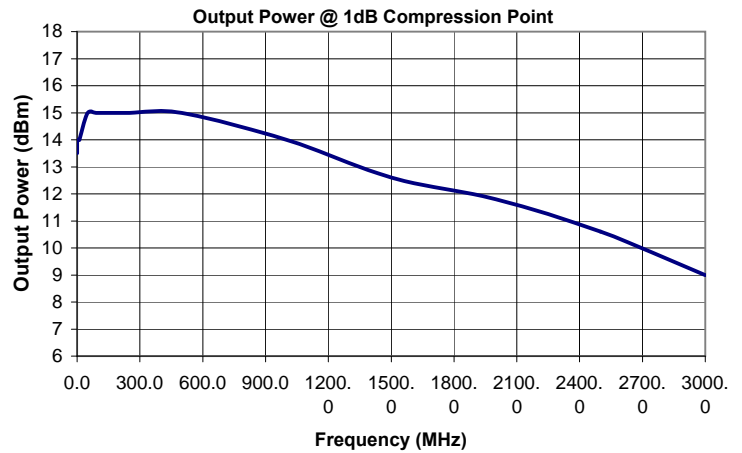
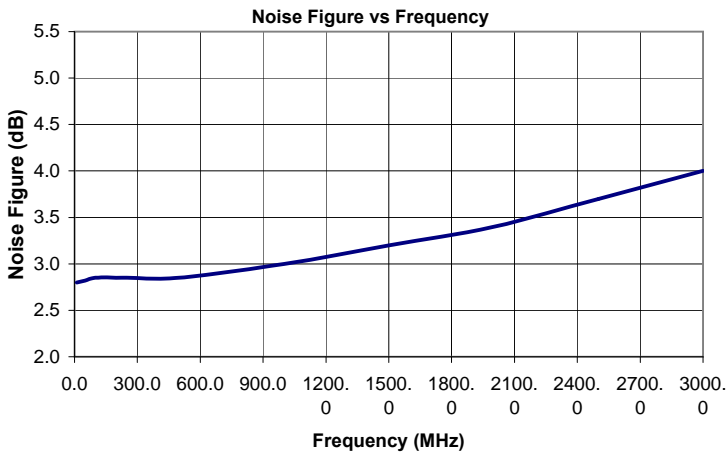
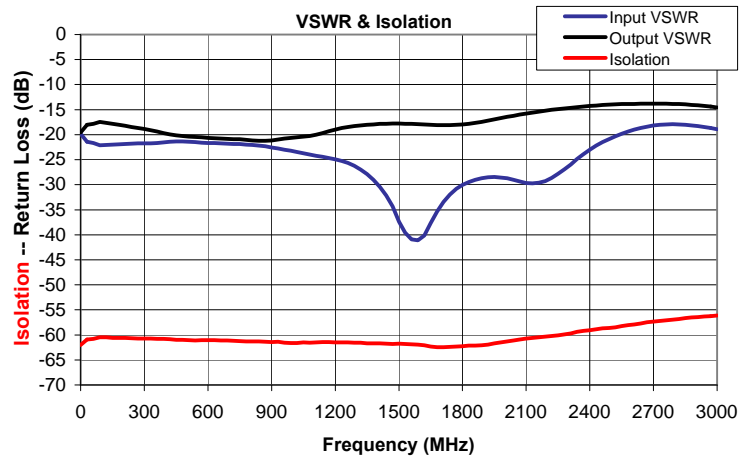
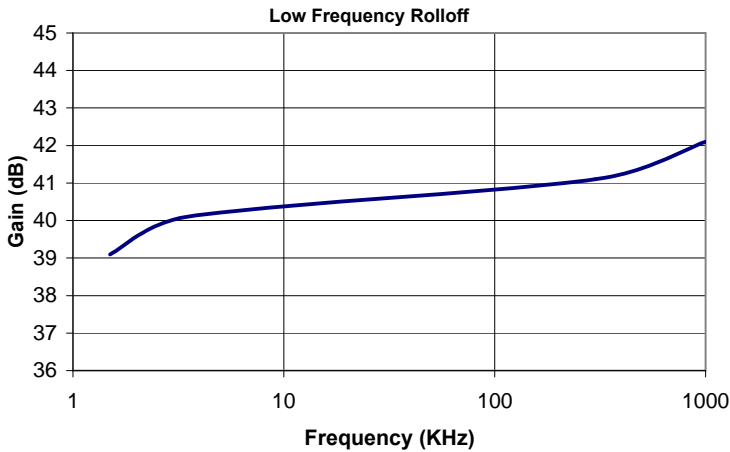
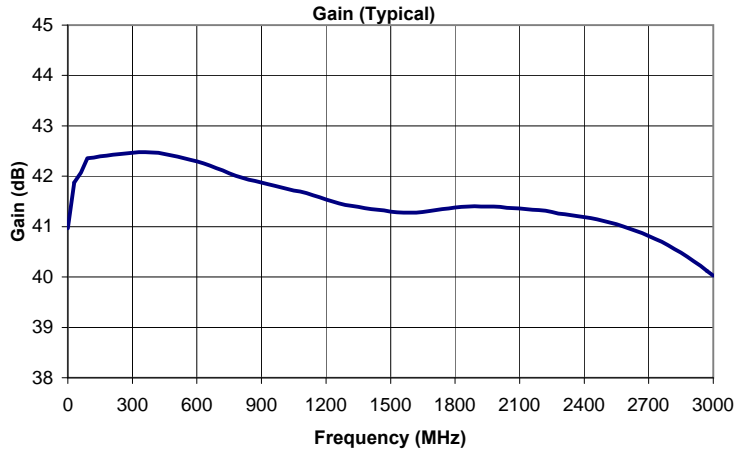
- Ultra wideband
- Low VSWR

- Internally regulated to +12V
- Reverse voltage protected

Parameter	Specification
Frequency Range (MHz)	0.01-3000 MHz
Gain (dB)	40 dB Min. (42 dB Typ.)
Gain Flatness (\pm dB)	± 2.5 dB Max. (± 2.0 dB Typ.)
Input VSWR (dBRL)	2.0:1 Max. (<1.5:1 Typ.)
Output VSWR (dBRL)	2.0:1 Max. (<1.5:1 Typ.)
*Noise Figure (dB)	3.0, 3.5, 4.6
*Output P1dB (dBm)	+13, +12, +7
DC Voltage	+15 to +30
DC Current (mA)	100

*Noise Figure at 10 MHz, 1500 MHz & 3000 MHz

*P1dB at 50 MHz, 1500 MHz & 3000 MHz



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Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	Delay Nsec
0.3	41.0	-62.0	-20	-20	1.40
30	41.9	-60.9	-21	-18	1.12
60	42.1	-60.8	-22	-18	0.96
90	42.4	-60.5	-22	-17	0.82
120	42.4	-60.5	-22	-18	0.68
150	42.4	-60.6	-22	-18	0.70
180	42.4	-60.6	-22	-18	0.70
210	42.4	-60.6	-22	-18	0.70
240	42.4	-60.7	-22	-18	0.70
270	42.5	-60.8	-22	-19	0.70
300	42.5	-60.7	-22	-19	0.70
330	42.5	-60.7	-22	-19	0.71
360	42.5	-60.8	-22	-19	0.71
390	42.5	-60.8	-22	-20	0.71
420	42.5	-60.9	-21	-20	0.71
450	42.4	-61.0	-21	-20	0.71
480	42.4	-61.0	-21	-20	0.71
510	42.4	-61.0	-21	-20	0.70
540	42.4	-61.1	-22	-20	0.70
570	42.3	-61.0	-22	-21	0.71
600	42.3	-61.0	-22	-21	0.71
630	42.3	-61.0	-22	-21	0.70
660	42.2	-61.1	-22	-21	0.70
690	42.2	-61.1	-22	-21	0.69
720	42.1	-61.2	-22	-21	0.69
750	42.1	-61.2	-22	-21	0.68
780	42.0	-61.3	-22	-21	0.68
810	42.0	-61.3	-22	-21	0.68
840	41.9	-61.3	-22	-21	0.68
870	41.9	-61.4	-22	-21	0.68
900	41.9	-61.4	-23	-21	0.69
930	41.8	-61.4	-23	-21	0.69
960	41.8	-61.6	-23	-21	0.69
990	41.8	-61.6	-23	-21	0.68
1020	41.7	-61.6	-23	-21	0.68
1050	41.7	-61.5	-24	-20	0.68
1080	41.7	-61.6	-24	-20	0.69
1110	41.7	-61.5	-24	-20	0.68
1140	41.6	-61.5	-24	-20	0.69
1170	41.6	-61.4	-25	-19	0.68
1200	41.5	-61.5	-25	-19	0.68
1230	41.5	-61.5	-25	-19	0.67
1260	41.5	-61.5	-26	-18	0.68
1290	41.4	-61.5	-26	-18	0.67
1320	41.4	-61.6	-27	-18	0.67
1350	41.4	-61.7	-28	-18	0.68
1380	41.4	-61.7	-29	-18	0.67
1410	41.4	-61.7	-30	-18	0.68
1440	41.3	-61.8	-32	-18	0.67
1470	41.3	-61.8	-34	-18	0.67
1500	41.3	-61.8	-37	-18	0.67
1530	41.3	-61.8	-40	-18	0.68

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	Delay Nsec
1560	41.3	-61.9	-41	-18	0.67
1590	41.3	-61.9	-41	-18	0.68
1620	41.3	-62.1	-40	-18	0.67
1650	41.3	-62.3	-38	-18	0.68
1680	41.3	-62.4	-35	-18	0.68
1710	41.3	-62.4	-33	-18	0.69
1740	41.3	-62.4	-32	-18	0.69
1770	41.4	-62.3	-31	-18	0.70
1800	41.4	-62.3	-30	-18	0.70
1830	41.4	-62.2	-29	-18	0.70
1860	41.4	-62.1	-29	-18	0.70
1890	41.4	-62.1	-29	-17	0.71
1920	41.4	-61.9	-29	-17	0.71
1950	41.4	-61.7	-28	-17	0.71
1980	41.4	-61.5	-29	-17	0.71
2010	41.4	-61.3	-29	-16	0.71
2040	41.4	-61.1	-29	-16	0.72
2070	41.4	-60.9	-29	-16	0.71
2100	41.4	-60.8	-30	-16	0.71
2130	41.3	-60.6	-30	-16	0.72
2160	41.3	-60.5	-30	-15	0.72
2190	41.3	-60.4	-29	-15	0.72
2220	41.3	-60.2	-29	-15	0.71
2250	41.3	-60.1	-28	-15	0.72
2280	41.3	-59.9	-27	-15	0.72
2310	41.2	-59.7	-26	-15	0.72
2340	41.2	-59.4	-25	-15	0.72
2370	41.2	-59.2	-24	-14	0.73
2400	41.2	-59.1	-23	-14	0.73
2430	41.2	-58.9	-22	-14	0.73
2460	41.1	-58.7	-22	-14	0.73
2490	41.1	-58.6	-21	-14	0.74
2520	41.1	-58.5	-20	-14	0.73
2550	41.0	-58.3	-20	-14	0.74
2580	41.0	-58.1	-19	-14	0.74
2610	41.0	-57.9	-19	-14	0.74
2640	40.9	-57.7	-19	-14	0.74
2670	40.9	-57.5	-18	-14	0.75
2700	40.8	-57.4	-18	-14	0.75
2730	40.8	-57.2	-18	-14	0.75
2760	40.7	-57.1	-18	-14	0.74
2790	40.6	-57.0	-18	-14	0.75
2820	40.6	-56.8	-18	-14	0.75
2850	40.5	-56.7	-18	-14	0.75
2880	40.4	-56.5	-18	-14	0.75
2910	40.3	-56.4	-18	-14	0.75
2940	40.2	-56.3	-18	-14	0.75
2970	40.1	-56.3	-19	-14	0.75
3000	40.0	-56.2	-19	-15	0.77