

AM-1670-1020 & AM-1670-0420

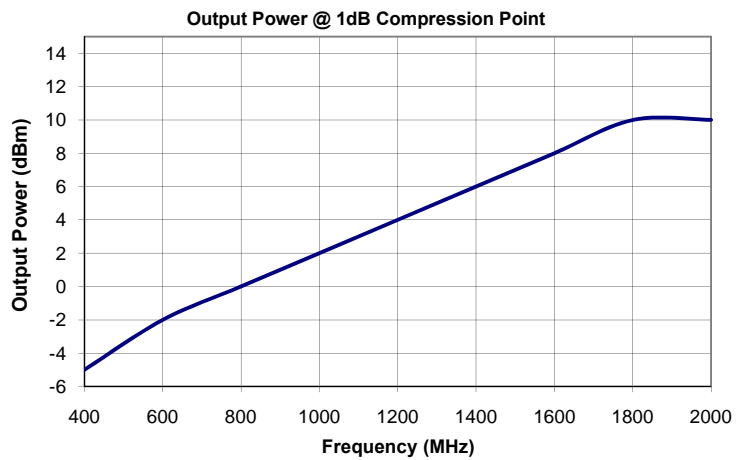
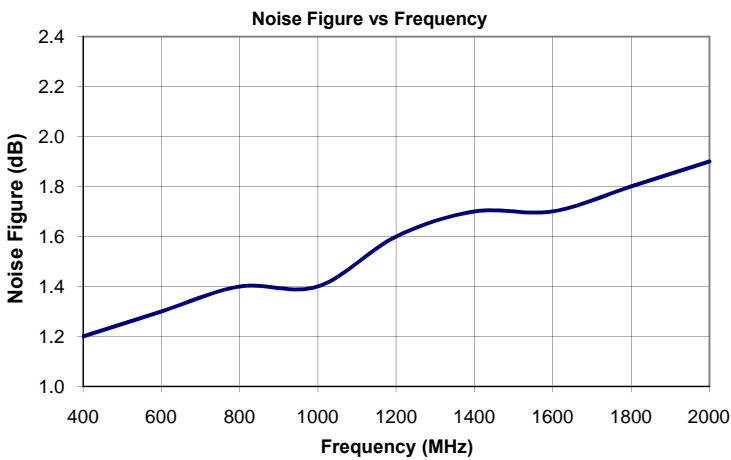
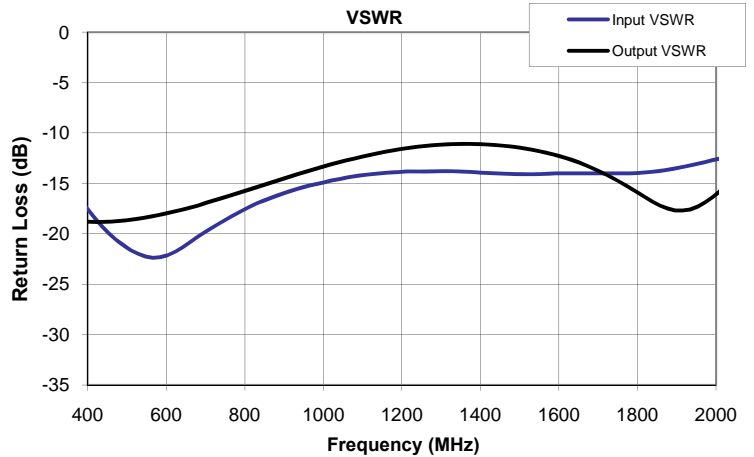
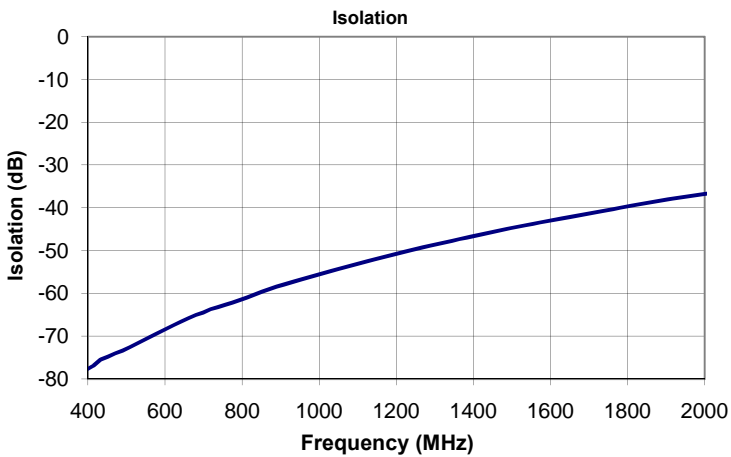
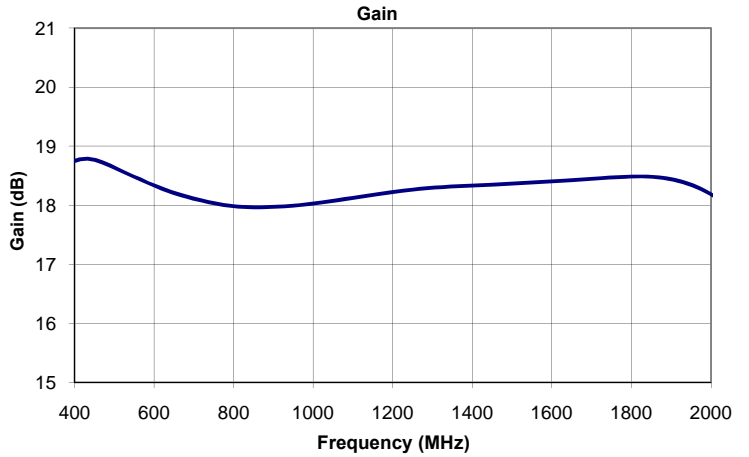
Features

- 3-Year Warranty
- Low Noise Figure
- Flat Gain Response
- Internally regulated to +9V
- Reverse voltage protected

Parameter	Specification
Frequency Range	400-2000 MHz (AM-1670-0420)
Gain	17 dB Min, 18 dB Typ.
Gain Flatness	± 0.75 dB Max, ± 0.5 dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.4, 1.9, 2.4
*Output P1dB	-5, +3, +9
DC Voltage	+12 to +13 (Marked for +15V)
DC Current	55 mA

*Noise Figure at 400 MHz, 1200 MHz & 2000 MHz

*P1dB at 400 50 MHz, 1200 MHz & 2000 MHz



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AM-1470-1020 & AM-1470-0420

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
300	17.9	-89.5	-12.6	-18.4	1.2
319	18.1	-89.2	-13.3	-18.5	1.2
338	18.3	-85.7	-14.3	-18.6	1.2
357	18.5	-83.2	-15.2	-18.7	1.2
376	18.7	-80.7	-16.3	-18.8	1.2
395	18.7	-77.9	-17.3	-18.8	1.2
414	18.8	-76.9	-18.3	-18.8	1.1
433	18.8	-75.5	-19.1	-18.8	1.1
452	18.8	-74.8	-19.9	-18.8	1.1
471	18.7	-74.0	-20.6	-18.8	1.0
490	18.7	-73.4	-21.1	-18.7	1.0
509	18.6	-72.5	-21.6	-18.6	1.0
528	18.6	-71.7	-22.0	-18.5	1.0
547	18.5	-70.8	-22.3	-18.4	0.9
566	18.4	-69.9	-22.4	-18.3	0.9
585	18.4	-69.1	-22.3	-18.1	0.9
604	18.3	-68.2	-22.1	-17.9	0.9
623	18.3	-67.5	-21.8	-17.8	0.9
642	18.2	-66.6	-21.3	-17.6	0.9
661	18.2	-65.8	-20.8	-17.4	0.9
680	18.1	-65.1	-20.3	-17.2	0.9
699	18.1	-64.4	-19.8	-17.0	0.9
718	18.1	-63.7	-19.4	-16.7	0.8
737	18.1	-63.2	-18.9	-16.5	0.8
756	18.0	-62.7	-18.5	-16.3	0.8
775	18.0	-62.2	-18.1	-16.1	0.8
794	18.0	-61.6	-17.7	-15.8	0.8
813	18.0	-60.9	-17.3	-15.6	0.8
832	18.0	-60.3	-17.0	-15.4	0.8
851	18.0	-59.6	-16.7	-15.1	0.8
870	18.0	-59.0	-16.4	-14.9	0.8
889	18.0	-58.4	-16.1	-14.7	0.8
908	18.0	-58.0	-15.9	-14.4	0.8
927	18.0	-57.5	-15.6	-14.2	0.8
946	18.0	-56.9	-15.4	-14.0	0.8
965	18.0	-56.4	-15.2	-13.7	0.8
984	18.0	-55.9	-15.0	-13.5	0.8
1003	18.0	-55.4	-14.9	-13.3	0.8
1022	18.0	-55.0	-14.7	-13.1	0.8
1041	18.1	-54.6	-14.6	-12.9	0.8
1060	18.1	-54.1	-14.4	-12.7	0.8
1079	18.1	-53.6	-14.3	-12.5	0.8
1098	18.1	-53.1	-14.2	-12.4	0.8
1117	18.1	-52.7	-14.1	-12.2	0.8
1136	18.2	-52.3	-14.0	-12.0	0.8
1155	18.2	-51.8	-14.0	-11.9	0.8
1174	18.2	-51.4	-13.9	-11.8	0.8
1193	18.2	-50.9	-13.9	-11.6	0.8
1212	18.2	-50.5	-13.8	-11.5	0.8
1231	18.2	-50.0	-13.8	-11.4	0.8
1250	18.3	-49.6	-13.8	-11.3	0.8
1269	18.3	-49.2	-13.8	-11.3	0.8
1288	18.3	-48.8	-13.8	-11.2	0.8

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
1307	18.3	-48.5	-13.8	-11.2	0.9
1326	18.3	-48.1	-13.8	-11.1	0.9
1345	18.3	-47.7	-13.8	-11.1	0.9
1364	18.3	-47.3	-13.9	-11.1	0.9
1383	18.3	-47.0	-13.9	-11.1	0.9
1402	18.3	-46.6	-13.9	-11.1	0.8
1421	18.3	-46.2	-14.0	-11.1	0.9
1440	18.3	-45.9	-14.0	-11.2	0.9
1459	18.4	-45.5	-14.0	-11.3	0.9
1478	18.4	-45.1	-14.1	-11.4	0.9
1497	18.4	-44.8	-14.1	-11.5	0.9
1516	18.4	-44.4	-14.1	-11.6	0.9
1535	18.4	-44.1	-14.1	-11.7	0.9
1554	18.4	-43.7	-14.1	-11.8	0.9
1573	18.4	-43.4	-14.0	-12.0	0.9
1592	18.4	-43.1	-14.0	-12.2	0.9
1611	18.4	-42.8	-14.0	-12.4	0.9
1630	18.4	-42.5	-14.0	-12.6	0.9
1649	18.4	-42.2	-14.0	-12.9	0.9
1668	18.4	-41.9	-14.0	-13.2	0.9
1687	18.4	-41.6	-14.0	-13.5	0.9
1706	18.5	-41.2	-14.0	-13.9	0.9
1725	18.5	-40.9	-14.0	-14.2	0.9
1744	18.5	-40.6	-14.0	-14.6	0.9
1763	18.5	-40.3	-14.0	-15.0	0.9
1782	18.5	-40.0	-14.0	-15.5	0.9
1801	18.5	-39.7	-14.0	-15.9	0.9
1820	18.5	-39.4	-13.9	-16.4	0.9
1839	18.5	-39.0	-13.8	-16.8	0.9
1858	18.5	-38.7	-13.8	-17.2	0.9
1877	18.5	-38.4	-13.6	-17.5	0.9
1896	18.4	-38.2	-13.5	-17.7	0.9
1915	18.4	-37.9	-13.4	-17.7	0.9
1934	18.4	-37.6	-13.2	-17.6	0.9
1953	18.3	-37.4	-13.1	-17.3	1.0
1972	18.3	-37.1	-12.9	-16.9	1.0
1991	18.2	-36.9	-12.7	-16.4	1.0
2010	18.1	-36.7	-12.5	-15.8	1.0
2029	18.1	-36.4	-12.4	-15.1	1.0
2048	18.0	-36.2	-12.2	-14.4	1.0
2067	17.9	-36.1	-12.0	-13.8	1.0
2086	17.7	-35.9	-11.9	-13.1	1.0
2105	17.6	-35.8	-11.7	-12.5	1.0
2124	17.5	-35.6	-11.6	-12.0	0.9
2143	17.3	-35.5	-11.4	-11.4	0.9
2162	17.1	-35.4	-11.3	-10.9	0.9
2181	17.0	-35.3	-11.1	-10.4	0.9
2200	16.8	-35.2	-11.0	-9.9	0.9