

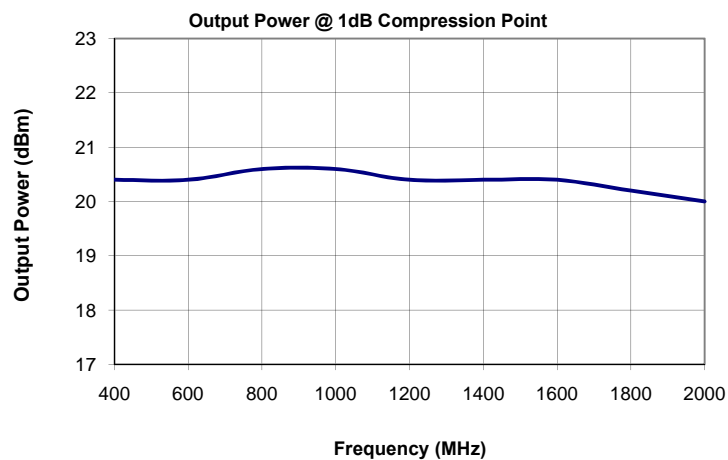
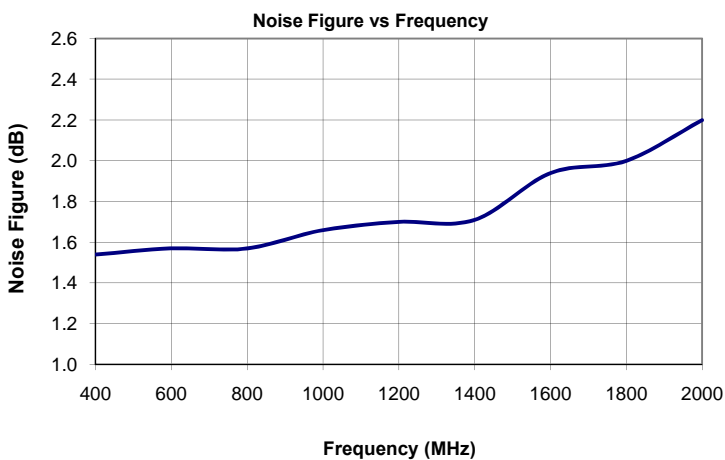
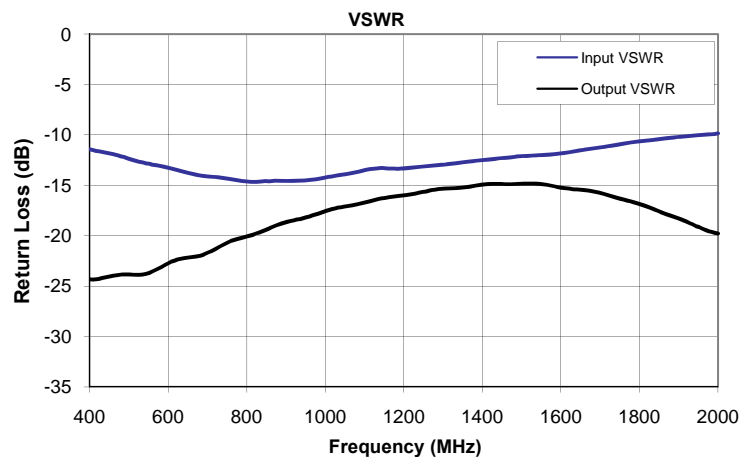
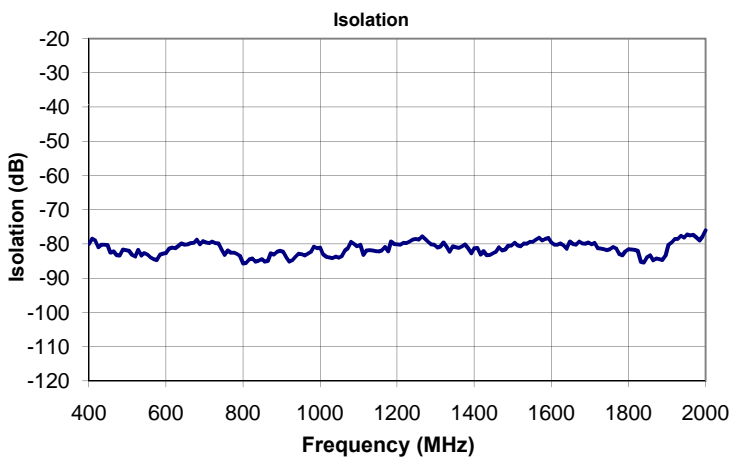
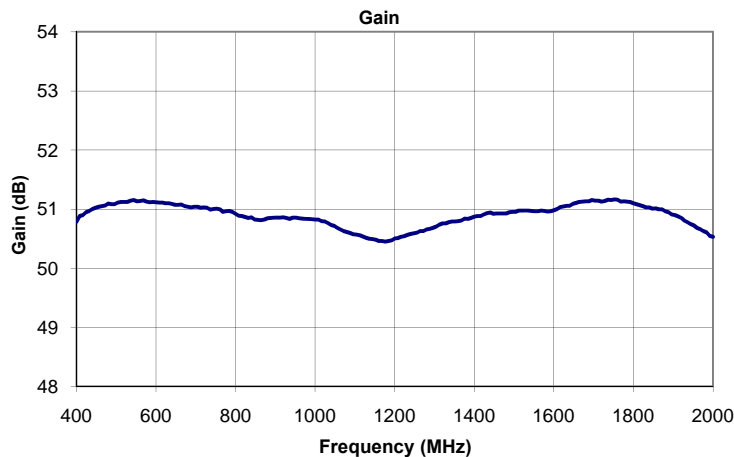
AM-1675 Series

Features

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

Parameter	Specification
Frequency Range	400-2000 MHz
Gain	49 dB Min, 51 dB Typ.
Gain Flatness	± 1.0 dB Max, ± 0.75 dB Typ.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure (dB)	1.6, 1.9, 2.4
Output P1dB	+19 dBm Min, +20 dBm Typ.
DC Voltage	+12 to +18V (Marked for +15V)
DC Current	180 mA

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



AM-1675 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
400	50.8	-80.0	-11.4	-24.3	1.9
408	50.9	-78.5	-11.5	-24.4	1.7
416	50.9	-78.9	-11.6	-24.4	1.7
424	50.9	-80.9	-11.7	-24.3	1.7
432	51.0	-80.2	-11.7	-24.2	1.7
440	51.0	-80.2	-11.8	-24.2	1.7
448	51.0	-80.3	-11.8	-24.1	1.6
456	51.0	-82.5	-11.9	-24.0	1.7
464	51.1	-82.2	-12.0	-24.0	1.7
472	51.1	-83.3	-12.0	-23.9	1.6
480	51.1	-83.4	-12.1	-23.9	1.6
488	51.1	-81.6	-12.2	-23.9	1.6
496	51.1	-81.8	-12.3	-23.9	1.6
504	51.1	-82.0	-12.4	-23.9	1.6
512	51.1	-83.2	-12.5	-23.9	1.6
520	51.1	-83.6	-12.6	-23.9	1.6
528	51.1	-81.7	-12.7	-23.9	1.6
536	51.1	-83.4	-12.8	-23.8	1.6
544	51.2	-82.6	-12.8	-23.8	1.6
552	51.1	-83.1	-12.9	-23.7	1.6
560	51.1	-83.9	-13.0	-23.6	1.5
568	51.1	-84.4	-13.0	-23.4	1.5
576	51.1	-84.7	-13.1	-23.3	1.5
584	51.1	-83.1	-13.1	-23.1	1.5
592	51.1	-82.8	-13.2	-22.9	1.5
600	51.1	-82.6	-13.3	-22.8	1.5
608	51.1	-81.3	-13.3	-22.6	1.5
616	51.1	-81.0	-13.4	-22.5	1.5
624	51.1	-81.2	-13.5	-22.4	1.5
632	51.1	-80.6	-13.6	-22.3	1.5
640	51.1	-79.9	-13.7	-22.3	1.5
648	51.1	-80.2	-13.7	-22.2	1.5
656	51.1	-80.1	-13.8	-22.2	1.4
664	51.1	-79.8	-13.9	-22.1	1.4
672	51.1	-79.7	-14.0	-22.1	1.4
680	51.0	-78.7	-14.0	-22.0	1.4
688	51.0	-80.1	-14.1	-21.9	1.4
696	51.0	-79.2	-14.1	-21.8	1.4
704	51.0	-79.5	-14.1	-21.6	1.4
712	51.0	-79.7	-14.2	-21.5	1.4
720	51.0	-79.2	-14.2	-21.3	1.4
728	51.0	-79.7	-14.2	-21.2	1.4
736	51.0	-79.8	-14.3	-21.0	1.4
744	51.0	-81.5	-14.3	-20.8	1.4
752	51.0	-83.2	-14.3	-20.7	1.4
760	51.0	-81.9	-14.4	-20.5	1.4
768	51.0	-82.5	-14.4	-20.4	1.4
776	51.0	-82.6	-14.5	-20.3	1.4
784	51.0	-82.9	-14.5	-20.3	1.4
792	51.0	-83.4	-14.6	-20.2	1.4
800	50.9	-85.7	-14.6	-20.1	1.4
808	50.9	-85.5	-14.7	-20.0	1.4
816	50.9	-84.5	-14.7	-19.9	1.4

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
824	50.9	-84.2	-14.7	-19.8	1.3
832	50.8	-85.2	-14.7	-19.7	1.4
840	50.9	-84.8	-14.6	-19.6	1.4
848	50.8	-84.4	-14.6	-19.4	1.4
856	50.8	-85.1	-14.6	-19.3	1.4
864	50.8	-85.0	-14.6	-19.2	1.4
872	50.8	-82.7	-14.6	-19.0	1.3
880	50.8	-83.1	-14.5	-18.9	1.3
888	50.8	-82.3	-14.5	-18.8	1.3
896	50.9	-82.0	-14.6	-18.7	1.4
904	50.9	-82.3	-14.6	-18.6	1.3
912	50.9	-83.9	-14.6	-18.5	1.4
920	50.9	-85.1	-14.6	-18.5	1.4
928	50.8	-84.7	-14.6	-18.4	1.4
936	50.8	-83.7	-14.6	-18.4	1.3
944	50.9	-82.8	-14.5	-18.3	1.4
952	50.9	-83.0	-14.5	-18.2	1.4
960	50.8	-83.3	-14.5	-18.1	1.4
968	50.8	-82.8	-14.4	-18.0	1.4
976	50.8	-82.2	-14.4	-17.9	1.4
984	50.8	-80.7	-14.3	-17.8	1.3
992	50.8	-81.2	-14.3	-17.7	1.3
1000	50.8	-81.0	-14.2	-17.6	1.3
1008	50.8	-83.0	-14.2	-17.5	1.4
1016	50.8	-83.8	-14.1	-17.4	1.3
1024	50.8	-83.9	-14.1	-17.3	1.3
1032	50.8	-84.2	-14.0	-17.2	1.3
1040	50.7	-83.6	-14.0	-17.2	1.3
1048	50.7	-84.0	-13.9	-17.1	1.3
1056	50.7	-83.5	-13.9	-17.1	1.3
1064	50.7	-81.9	-13.8	-17.0	1.3
1072	50.6	-81.3	-13.8	-17.0	1.3
1080	50.6	-79.4	-13.7	-16.9	1.3
1088	50.6	-80.0	-13.6	-16.8	1.3
1096	50.6	-80.7	-13.5	-16.8	1.3
1104	50.6	-80.2	-13.5	-16.7	1.3
1112	50.6	-83.2	-13.4	-16.6	1.3
1120	50.5	-81.9	-13.4	-16.5	1.3
1128	50.5	-81.8	-13.3	-16.4	1.3
1136	50.5	-81.9	-13.3	-16.4	1.3
1144	50.5	-82.1	-13.3	-16.3	1.3
1152	50.5	-82.2	-13.3	-16.3	1.3
1160	50.5	-81.9	-13.3	-16.2	1.3
1168	50.5	-80.8	-13.3	-16.2	1.3
1176	50.4	-82.1	-13.4	-16.1	1.2
1184	50.5	-79.3	-13.4	-16.1	1.2
1192	50.5	-80.0	-13.4	-16.1	1.3
1200	50.5	-80.1	-13.3	-16.0	1.3
1208	50.5	-80.2	-13.3	-16.0	1.3
1216	50.5	-79.7	-13.3	-15.9	1.3
1224	50.5	-79.7	-13.2	-15.9	1.3
1232	50.6	-79.3	-13.2	-15.8	1.3
1240	50.6	-78.7	-13.2	-15.7	1.3

AM-1675 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
1248	50.6	-78.5	-13.1	-15.7	1.3
1256	50.6	-78.7	-13.1	-15.6	1.3
1264	50.6	-77.7	-13.1	-15.5	1.3
1272	50.6	-78.6	-13.1	-15.5	1.3
1280	50.7	-79.4	-13.0	-15.4	1.3
1288	50.7	-80.1	-13.0	-15.4	1.3
1296	50.7	-80.2	-13.0	-15.4	1.3
1304	50.7	-81.0	-13.0	-15.3	1.3
1312	50.7	-80.8	-12.9	-15.3	1.3
1320	50.8	-79.6	-12.9	-15.3	1.3
1328	50.8	-80.8	-12.8	-15.3	1.3
1336	50.8	-82.3	-12.8	-15.3	1.3
1344	50.8	-80.7	-12.8	-15.3	1.3
1352	50.8	-80.9	-12.7	-15.2	1.3
1360	50.8	-81.1	-12.7	-15.2	1.3
1368	50.8	-80.7	-12.7	-15.1	1.3
1376	50.8	-80.1	-12.6	-15.1	1.3
1384	50.8	-81.3	-12.6	-15.0	1.3
1392	50.8	-82.7	-12.5	-15.0	1.3
1400	50.9	-81.2	-12.5	-14.9	1.3
1408	50.9	-81.1	-12.5	-14.9	1.3
1416	50.9	-83.1	-12.5	-14.9	1.3
1424	50.9	-82.1	-12.4	-14.9	1.4
1432	50.9	-83.3	-12.4	-14.9	1.3
1440	50.9	-83.2	-12.3	-14.9	1.4
1448	50.9	-82.7	-12.3	-14.9	1.3
1456	50.9	-82.3	-12.3	-14.9	1.3
1464	50.9	-80.9	-12.3	-14.9	1.3
1472	50.9	-81.9	-12.2	-14.9	1.3
1480	50.9	-81.6	-12.2	-14.9	1.3
1488	50.9	-80.5	-12.2	-14.9	1.3
1496	51.0	-80.5	-12.1	-14.9	1.3
1504	51.0	-79.6	-12.1	-14.8	1.4
1512	51.0	-80.4	-12.1	-14.9	1.3
1520	51.0	-80.7	-12.1	-14.8	1.3
1528	51.0	-79.8	-12.1	-14.8	1.4
1536	51.0	-79.9	-12.0	-14.8	1.4
1544	51.0	-79.3	-12.0	-14.9	1.4
1552	51.0	-79.3	-12.0	-14.9	1.4
1560	51.0	-78.7	-12.0	-14.9	1.3
1568	51.0	-78.1	-12.0	-15.0	1.4
1576	51.0	-79.0	-12.0	-15.1	1.3
1584	51.0	-78.5	-11.9	-15.1	1.4
1592	51.0	-78.2	-11.9	-15.2	1.4
1600	51.0	-79.5	-11.9	-15.2	1.3
1608	51.0	-80.2	-11.8	-15.3	1.4
1616	51.0	-80.2	-11.8	-15.3	1.4
1624	51.0	-79.8	-11.7	-15.4	1.3
1632	51.1	-80.5	-11.7	-15.4	1.4
1640	51.1	-81.4	-11.6	-15.4	1.4
1648	51.1	-79.3	-11.5	-15.4	1.4
1656	51.1	-80.0	-11.5	-15.5	1.4
1664	51.1	-80.2	-11.5	-15.5	1.3

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
1672	51.1	-79.2	-11.4	-15.5	1.4
1680	51.1	-79.8	-11.4	-15.6	1.4
1688	51.1	-80.0	-11.3	-15.7	1.4
1696	51.2	-79.6	-11.3	-15.7	1.3
1704	51.1	-80.1	-11.2	-15.8	1.4
1712	51.1	-79.6	-11.2	-15.9	1.4
1720	51.1	-81.2	-11.1	-16.0	1.4
1728	51.1	-81.3	-11.1	-16.1	1.4
1736	51.2	-81.5	-11.0	-16.2	1.4
1744	51.2	-81.8	-11.0	-16.3	1.4
1752	51.2	-81.5	-10.9	-16.4	1.4
1760	51.2	-80.8	-10.9	-16.4	1.4
1768	51.1	-81.4	-10.8	-16.5	1.4
1776	51.1	-83.0	-10.8	-16.6	1.4
1784	51.1	-83.2	-10.7	-16.7	1.4
1792	51.1	-82.1	-10.7	-16.8	1.4
1800	51.1	-81.5	-10.7	-16.9	1.4
1808	51.1	-81.6	-10.6	-17.0	1.4
1816	51.1	-81.7	-10.6	-17.1	1.4
1824	51.1	-82.0	-10.6	-17.2	1.4
1832	51.0	-85.2	-10.5	-17.3	1.4
1840	51.0	-85.4	-10.5	-17.5	1.4
1848	51.0	-83.8	-10.4	-17.6	1.4
1856	51.0	-83.3	-10.4	-17.7	1.4
1864	51.0	-84.8	-10.4	-17.8	1.4
1872	51.0	-84.2	-10.3	-17.9	1.4
1880	51.0	-84.4	-10.3	-18.0	1.4
1888	50.9	-84.7	-10.3	-18.1	1.4
1896	50.9	-83.4	-10.2	-18.2	1.4
1904	50.9	-80.2	-10.2	-18.4	1.4
1912	50.9	-79.6	-10.2	-18.5	1.4
1920	50.9	-78.5	-10.1	-18.6	1.4
1928	50.8	-78.5	-10.1	-18.8	1.5
1936	50.8	-77.6	-10.1	-18.9	1.4
1944	50.7	-78.2	-10.1	-19.0	1.4
1952	50.7	-77.2	-10.0	-19.2	1.4
1960	50.7	-77.5	-10.0	-19.3	1.4
1968	50.7	-77.3	-10.0	-19.4	1.4
1976	50.6	-78.1	-10.0	-19.6	1.4
1984	50.6	-79.0	-9.9	-19.6	1.4
1992	50.5	-77.9	-9.9	-19.7	1.4
2000	50.5	-76.0	-9.9	-19.8	1.3