AM-1674 Series

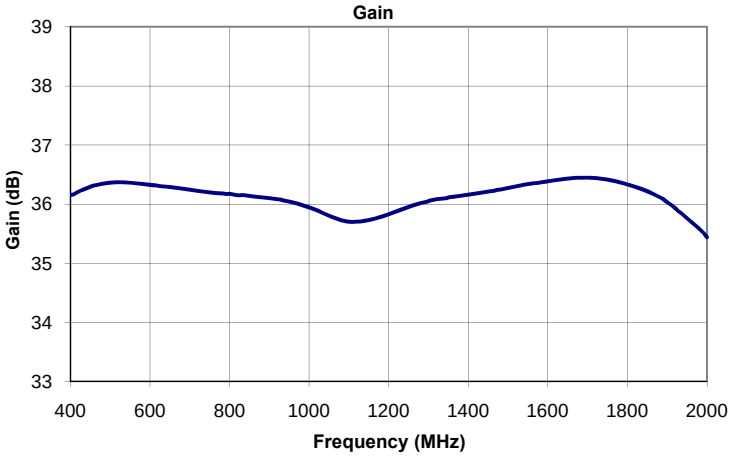
Features

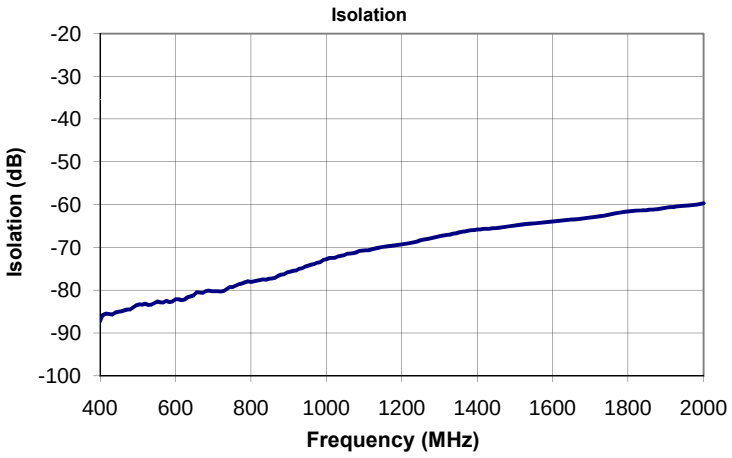
- 3-Year Warranty
- Low VSWR
- 400-2000 MHz operation
- Internally regulated to +9V
- Reverse voltage protected

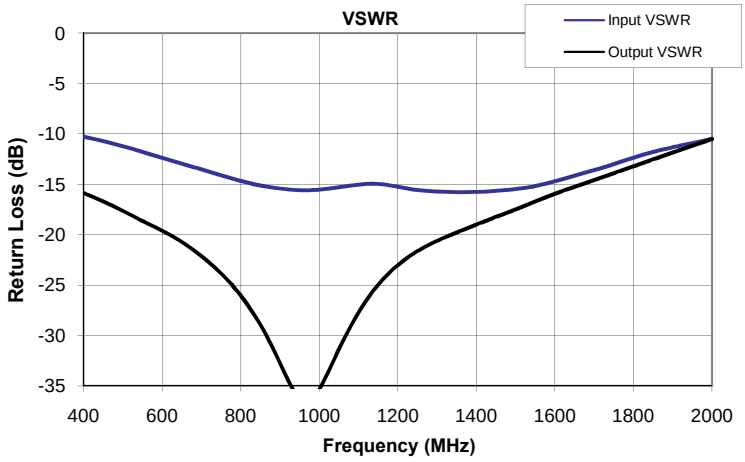
Parameter	Specification
Frequency Range	400-2000 MHz
Gain	34 dB Min
Gain Flatness	± 1.0 dB Max.
Input VSWR	2.0:1 Max.
Output VSWR	2.0:1 Max.
*Noise Figure	1.6, 2.0, 2.5 dB
*Output P1dB	+10, +17, +17 dBm
DC Voltage	+12 to +30V
DC Current	140 mA

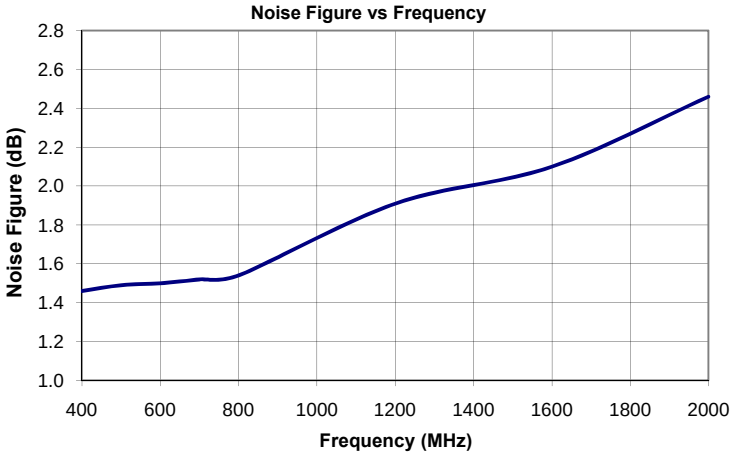
*Noise Figure at 400 MHz, 1200 MHz & 2000 MHz

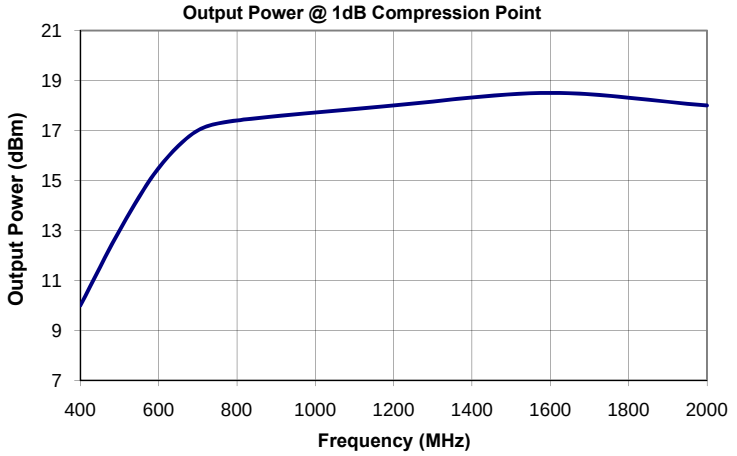
*P1dB at 400 MHz, 1200 MHz & 2000 MHz











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AM-1674 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
400.0	36.2	-87.2	-10.3	-15.9	1.5
408.0	36.2	-85.8	-10.3	-16.0	1.5
416.0	36.2	-85.5	-10.4	-16.1	1.4
424.0	36.2	-85.5	-10.5	-16.3	1.4
432.0	36.2	-85.6	-10.6	-16.4	1.4
440.0	36.3	-85.2	-10.6	-16.5	1.4
448.0	36.3	-85.0	-10.7	-16.7	1.4
456.0	36.3	-84.9	-10.8	-16.8	1.4
464.0	36.3	-84.7	-10.9	-17.0	1.4
472.0	36.3	-84.5	-10.9	-17.1	1.4
480.0	36.3	-84.5	-11.0	-17.3	1.4
488.0	36.4	-84.0	-11.1	-17.4	1.3
496.0	36.4	-83.5	-11.2	-17.6	1.3
504.0	36.4	-83.3	-11.3	-17.7	1.3
512.0	36.4	-83.3	-11.4	-17.9	1.3
520.0	36.4	-83.1	-11.4	-18.0	1.3
528.0	36.4	-83.4	-11.5	-18.2	1.3
536.0	36.4	-83.4	-11.6	-18.4	1.3
544.0	36.4	-83.0	-11.7	-18.5	1.3
552.0	36.4	-82.6	-11.8	-18.7	1.3
560.0	36.4	-82.8	-11.9	-18.9	1.3
568.0	36.4	-82.8	-12.0	-19.0	1.2
576.0	36.3	-82.5	-12.1	-19.2	1.2
584.0	36.3	-82.8	-12.2	-19.3	1.2
592.0	36.3	-82.6	-12.3	-19.5	1.2
600.0	36.3	-82.1	-12.4	-19.6	1.2
608.0	36.3	-82.1	-12.5	-19.8	1.2
616.0	36.3	-82.3	-12.6	-19.9	1.2
624.0	36.3	-82.1	-12.7	-20.1	1.2
632.0	36.3	-81.6	-12.8	-20.3	1.2
640.0	36.3	-81.4	-12.8	-20.5	1.2
648.0	36.3	-81.2	-12.9	-20.7	1.2
656.0	36.3	-80.4	-13.0	-20.9	1.2
664.0	36.3	-80.5	-13.1	-21.1	1.2
672.0	36.3	-80.6	-13.2	-21.3	1.2
680.0	36.3	-80.2	-13.3	-21.5	1.2
688.0	36.3	-80.0	-13.4	-21.8	1.1
696.0	36.2	-80.2	-13.5	-22.0	1.2
704.0	36.2	-80.2	-13.6	-22.3	1.2
712.0	36.2	-80.2	-13.7	-22.5	1.1
720.0	36.2	-80.3	-13.8	-22.8	1.1
728.0	36.2	-80.1	-13.9	-23.1	1.1
736.0	36.2	-79.7	-13.9	-23.3	1.1
744.0	36.2	-79.3	-14.0	-23.6	1.1
752.0	36.2	-79.2	-14.1	-23.9	1.1
760.0	36.2	-78.9	-14.2	-24.2	1.1
768.0	36.2	-78.5	-14.3	-24.6	1.1
776.0	36.2	-78.4	-14.4	-24.9	1.1
784.0	36.2	-78.1	-14.5	-25.3	1.1
792.0	36.2	-77.9	-14.6	-25.6	1.1
800.0	36.2	-78.0	-14.7	-26.0	1.1
808.0	36.2	-77.9	-14.8	-26.5	1.1
816.0	36.2	-77.7	-14.8	-26.9	1.1

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
824.0	36.1	-77.6	-14.9	-27.3	1.1
832.0	36.2	-77.5	-15.0	-27.8	1.1
840.0	36.1	-77.5	-15.1	-28.3	1.1
848.0	36.1	-77.3	-15.1	-28.8	1.1
856.0	36.1	-77.3	-15.2	-29.4	1.1
864.0	36.1	-77.1	-15.2	-29.9	1.1
872.0	36.1	-76.6	-15.3	-30.5	1.1
880.0	36.1	-76.3	-15.3	-31.1	1.1
888.0	36.1	-76.2	-15.4	-31.8	1.1
896.0	36.1	-75.8	-15.4	-32.4	1.1
904.0	36.1	-75.7	-15.5	-33.1	1.1
912.0	36.1	-75.4	-15.5	-33.7	1.1
920.0	36.1	-75.3	-15.5	-34.4	1.1
928.0	36.1	-75.0	-15.5	-35.0	1.1
936.0	36.1	-74.8	-15.6	-35.5	1.1
944.0	36.1	-74.4	-15.6	-36.0	1.1
952.0	36.0	-74.2	-15.6	-36.3	1.1
960.0	36.0	-74.0	-15.6	-36.5	1.1
968.0	36.0	-73.9	-15.6	-36.6	1.1
976.0	36.0	-73.6	-15.6	-36.5	1.1
984.0	36.0	-73.4	-15.6	-36.2	1.1
992.0	36.0	-72.9	-15.6	-35.8	1.1
1000.0	35.9	-72.8	-15.5	-35.4	1.1
1008.0	35.9	-72.5	-15.5	-34.8	1.1
1016.0	35.9	-72.5	-15.5	-34.2	1.1
1024.0	35.9	-72.3	-15.4	-33.5	1.1
1032.0	35.9	-72.1	-15.4	-32.9	1.0
1040.0	35.8	-71.9	-15.4	-32.2	1.0
1048.0	35.8	-71.8	-15.3	-31.5	1.0
1056.0	35.8	-71.5	-15.3	-30.9	1.0
1064.0	35.8	-71.4	-15.2	-30.3	1.0
1072.0	35.7	-71.4	-15.2	-29.7	1.0
1080.0	35.7	-71.1	-15.2	-29.1	1.0
1088.0	35.7	-70.8	-15.1	-28.5	1.0
1096.0	35.7	-70.7	-15.1	-28.0	1.0
1104.0	35.7	-70.7	-15.0	-27.5	1.0
1112.0	35.7	-70.6	-15.0	-27.0	1.0
1120.0	35.7	-70.5	-15.0	-26.5	1.0
1128.0	35.7	-70.3	-15.0	-26.1	1.0
1136.0	35.7	-70.1	-15.0	-25.6	1.0
1144.0	35.7	-69.9	-15.0	-25.3	1.0
1152.0	35.7	-69.9	-15.0	-24.9	1.0
1160.0	35.7	-69.8	-15.0	-24.5	1.0
1168.0	35.8	-69.7	-15.0	-24.2	1.0
1176.0	35.8	-69.6	-15.1	-23.9	1.0
1184.0	35.8	-69.5	-15.1	-23.6	1.0
1192.0	35.8	-69.4	-15.2	-23.3	1.0
1200.0	35.8	-69.3	-15.3	-23.0	1.0
1208.0	35.8	-69.2	-15.3	-22.8	1.0
1216.0	35.9	-69.0	-15.4	-22.5	1.0
1224.0	35.9	-68.9	-15.4	-22.3	1.0
1232.0	35.9	-68.8	-15.5	-22.1	1.1
1240.0	35.9	-68.6	-15.5	-21.9	1.1

AM-1674 Series

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
1248.0	35.9	-68.4	-15.6	-21.7	1.1
1256.0	36.0	-68.2	-15.6	-21.5	1.1
1264.0	36.0	-68.1	-15.6	-21.3	1.1
1272.0	36.0	-68.0	-15.7	-21.2	1.1
1280.0	36.0	-67.8	-15.7	-21.0	1.1
1288.0	36.0	-67.6	-15.7	-20.8	1.1
1296.0	36.0	-67.5	-15.7	-20.7	1.1
1304.0	36.1	-67.3	-15.7	-20.5	1.1
1312.0	36.1	-67.2	-15.8	-20.4	1.1
1320.0	36.1	-67.1	-15.8	-20.3	1.1
1328.0	36.1	-67.0	-15.8	-20.1	1.1
1336.0	36.1	-66.8	-15.8	-20.0	1.1
1344.0	36.1	-66.7	-15.8	-19.9	1.1
1352.0	36.1	-66.5	-15.8	-19.7	1.1
1360.0	36.1	-66.3	-15.8	-19.6	1.1
1368.0	36.1	-66.2	-15.8	-19.5	1.1
1376.0	36.1	-66.1	-15.8	-19.4	1.1
1384.0	36.1	-66.0	-15.8	-19.3	1.1
1392.0	36.1	-65.9	-15.8	-19.1	1.1
1400.0	36.2	-65.8	-15.8	-19.0	1.1
1408.0	36.2	-65.8	-15.8	-18.9	1.1
1416.0	36.2	-65.7	-15.8	-18.8	1.1
1424.0	36.2	-65.7	-15.7	-18.6	1.1
1432.0	36.2	-65.7	-15.7	-18.5	1.1
1440.0	36.2	-65.5	-15.7	-18.4	1.1
1448.0	36.2	-65.5	-15.7	-18.3	1.1
1456.0	36.2	-65.4	-15.6	-18.2	1.1
1464.0	36.2	-65.3	-15.6	-18.0	1.1
1472.0	36.2	-65.2	-15.6	-17.9	1.1
1480.0	36.2	-65.1	-15.6	-17.8	1.1
1488.0	36.3	-65.0	-15.5	-17.7	1.1
1496.0	36.3	-64.9	-15.5	-17.6	1.1
1504.0	36.3	-64.8	-15.5	-17.4	1.1
1512.0	36.3	-64.7	-15.4	-17.3	1.1
1520.0	36.3	-64.6	-15.4	-17.2	1.1
1528.0	36.3	-64.5	-15.4	-17.1	1.1
1536.0	36.3	-64.5	-15.3	-16.9	1.1
1544.0	36.3	-64.4	-15.2	-16.8	1.1
1552.0	36.3	-64.4	-15.2	-16.7	1.1
1560.0	36.3	-64.3	-15.1	-16.6	1.1
1568.0	36.4	-64.2	-15.0	-16.4	1.1
1576.0	36.4	-64.2	-15.0	-16.3	1.1
1584.0	36.4	-64.1	-14.9	-16.2	1.1
1592.0	36.4	-64.0	-14.8	-16.1	1.1
1600.0	36.4	-64.0	-14.7	-16.0	1.1
1608.0	36.4	-63.9	-14.6	-15.8	1.1
1616.0	36.4	-63.8	-14.5	-15.7	1.1
1624.0	36.4	-63.7	-14.4	-15.6	1.1
1632.0	36.4	-63.7	-14.4	-15.5	1.1
1640.0	36.4	-63.6	-14.3	-15.4	1.1
1648.0	36.4	-63.5	-14.2	-15.3	1.1
1656.0	36.4	-63.5	-14.1	-15.2	1.1
1664.0	36.4	-63.4	-14.0	-15.1	1.1

Freq. (MHz)	Gain (dB)	Isol. (dB)	Input VSWR (dBRL)	Output VSWR (dBRL)	S21 Delay
1672.0	36.4	-63.3	-13.9	-15.0	1.1
1680.0	36.4	-63.3	-13.8	-14.9	1.1
1688.0	36.4	-63.2	-13.7	-14.8	1.1
1696.0	36.4	-63.1	-13.6	-14.6	1.1
1704.0	36.4	-63.0	-13.6	-14.5	1.1
1712.0	36.4	-62.9	-13.5	-14.4	1.1
1720.0	36.4	-62.8	-13.4	-14.3	1.1
1728.0	36.4	-62.6	-13.3	-14.2	1.1
1736.0	36.4	-62.6	-13.2	-14.1	1.1
1744.0	36.4	-62.5	-13.1	-14.0	1.1
1752.0	36.4	-62.3	-13.0	-13.9	1.1
1760.0	36.4	-62.1	-12.9	-13.8	1.1
1768.0	36.4	-62.0	-12.8	-13.7	1.1
1776.0	36.4	-61.8	-12.7	-13.6	1.1
1784.0	36.4	-61.8	-12.6	-13.4	1.1
1792.0	36.3	-61.7	-12.5	-13.3	1.1
1800.0	36.3	-61.6	-12.4	-13.2	1.1
1808.0	36.3	-61.5	-12.3	-13.1	1.1
1816.0	36.3	-61.4	-12.2	-13.0	1.1
1824.0	36.3	-61.4	-12.1	-12.9	1.1
1832.0	36.3	-61.4	-12.0	-12.8	1.1
1840.0	36.2	-61.4	-11.9	-12.7	1.1
1848.0	36.2	-61.3	-11.8	-12.6	1.1
1856.0	36.2	-61.2	-11.7	-12.5	1.2
1864.0	36.2	-61.2	-11.7	-12.3	1.2
1872.0	36.1	-61.1	-11.6	-12.2	1.2
1880.0	36.1	-61.0	-11.5	-12.1	1.2
1888.0	36.1	-60.9	-11.4	-12.0	1.1
1896.0	36.0	-60.8	-11.4	-11.9	1.1
1904.0	36.0	-60.7	-11.3	-11.8	1.2
1912.0	36.0	-60.6	-11.2	-11.7	1.1
1920.0	35.9	-60.6	-11.2	-11.6	1.1
1928.0	35.9	-60.5	-11.1	-11.5	1.1
1936.0	35.8	-60.4	-11.0	-11.4	1.2
1944.0	35.8	-60.3	-11.0	-11.3	1.1
1952.0	35.8	-60.3	-10.9	-11.2	1.2
1960.0	35.7	-60.2	-10.8	-11.0	1.2
1968.0	35.7	-60.1	-10.8	-10.9	1.1
1976.0	35.6	-60.1	-10.7	-10.8	1.1
1984.0	35.6	-60.0	-10.6	-10.7	1.2
1992.0	35.5	-59.9	-10.6	-10.6	1.1
2000.0	35.4	-59.7	-10.5	-10.5	1.1