

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS | | | INPUT RETURN LOSS | | | OUTPUT RETURN LOSS | | |
|--------------------|----------------|--------|--------|-------------------|--------|--------|--------------------|--------|--------|
| | (dB) | | | (dB) | | | (dB) | | |
| | @-40°C | @+25°C | @+85°C | @-40°C | @+25°C | @+85°C | @-40°C | @+25°C | @+85°C |
| 1 | 87.65 | 90.92 | 89.01 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 10 | 69.49 | 69.33 | 69.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 50.67 | 50.60 | 50.49 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 |
| 200 | 48.29 | 48.28 | 48.21 | 0.00 | 0.01 | 0.02 | 0.06 | 0.08 | 0.09 |
| 300 | 66.54 | 66.89 | 67.16 | 0.01 | 0.03 | 0.04 | 0.16 | 0.18 | 0.19 |
| 380 | 47.04 | 47.04 | 47.06 | 0.03 | 0.05 | 0.06 | 0.20 | 0.23 | 0.25 |
| 500 | 51.54 | 50.91 | 50.34 | 0.08 | 0.11 | 0.12 | 0.19 | 0.23 | 0.25 |
| 550 | 30.93 | 30.79 | 30.63 | 0.12 | 0.15 | 0.17 | 0.18 | 0.22 | 0.25 |
| 595 | 21.06 | 20.96 | 20.85 | 0.20 | 0.24 | 0.26 | 0.23 | 0.28 | 0.31 |
| 700 | 3.21 | 3.19 | 3.17 | 3.78 | 3.99 | 4.13 | 3.80 | 4.02 | 4.17 |
| 820 | 0.36 | 0.42 | 0.46 | 19.15 | 19.31 | 19.18 | 18.50 | 18.66 | 18.59 |
| 850 | 0.32 | 0.38 | 0.42 | 20.53 | 20.87 | 20.81 | 19.47 | 19.78 | 19.78 |
| 900 | 0.27 | 0.33 | 0.37 | 30.94 | 31.70 | 32.78 | 27.22 | 27.59 | 28.23 |
| 920 | 0.26 | 0.32 | 0.36 | 33.96 | 33.96 | 35.98 | 30.84 | 30.79 | 32.16 |
| 940 | 0.26 | 0.33 | 0.36 | 27.47 | 27.61 | 27.88 | 27.72 | 27.78 | 28.25 |
| 960 | 0.27 | 0.33 | 0.37 | 23.67 | 23.92 | 23.95 | 24.07 | 24.30 | 24.41 |
| 1000 | 0.29 | 0.35 | 0.39 | 20.19 | 20.48 | 20.44 | 20.35 | 20.63 | 20.65 |
| 1100 | 0.29 | 0.36 | 0.40 | 22.04 | 22.16 | 22.12 | 21.30 | 21.49 | 21.60 |
| 1120 | 0.29 | 0.35 | 0.39 | 24.13 | 24.27 | 24.27 | 22.98 | 23.21 | 23.44 |
| 1135 | 0.28 | 0.35 | 0.39 | 26.39 | 26.63 | 26.73 | 24.72 | 25.07 | 25.48 |
| 1200 | 0.29 | 0.36 | 0.41 | 28.67 | 29.01 | 30.00 | 27.85 | 28.15 | 29.40 |
| 1300 | 0.38 | 0.46 | 0.51 | 18.91 | 19.14 | 19.33 | 19.07 | 19.30 | 19.51 |
| 1370 | 0.41 | 0.50 | 0.56 | 23.06 | 23.53 | 23.56 | 24.43 | 25.44 | 26.11 |
| 1500 | 2.78 | 3.02 | 3.22 | 4.58 | 4.51 | 4.41 | 4.62 | 4.51 | 4.38 |
| 1600 | 10.92 | 11.24 | 11.49 | 0.93 | 1.00 | 1.04 | 0.74 | 0.79 | 0.81 |
| 1700 | 20.58 | 20.85 | 21.07 | 0.49 | 0.57 | 0.62 | 0.24 | 0.30 | 0.34 |
| 1800 | 30.53 | 30.82 | 31.05 | 0.38 | 0.46 | 0.51 | 0.13 | 0.20 | 0.24 |
| 2000 | 70.57 | 70.72 | 69.55 | 0.24 | 0.33 | 0.39 | 0.08 | 0.15 | 0.19 |
| 2500 | 55.36 | 55.52 | 55.73 | 0.12 | 0.22 | 0.29 | 0.04 | 0.12 | 0.17 |
| 2800 | 65.08 | 65.71 | 65.74 | 0.15 | 0.25 | 0.32 | 0.04 | 0.12 | 0.18 |
| 2900 | 67.90 | 64.11 | 62.21 | 0.18 | 0.29 | 0.36 | 0.04 | 0.12 | 0.18 |
| 3000 | 54.57 | 55.68 | 56.13 | 0.19 | 0.29 | 0.36 | 0.04 | 0.13 | 0.18 |
| 3100 | 60.86 | 60.94 | 61.17 | 0.19 | 0.29 | 0.35 | 0.04 | 0.13 | 0.19 |
| 3200 | 63.27 | 63.60 | 63.70 | 0.20 | 0.30 | 0.36 | 0.04 | 0.13 | 0.19 |
| 3300 | 66.09 | 66.65 | 66.62 | 0.22 | 0.32 | 0.38 | 0.05 | 0.14 | 0.20 |
| 3400 | 62.90 | 63.06 | 63.58 | 0.24 | 0.34 | 0.39 | 0.05 | 0.14 | 0.20 |
| 3500 | 64.03 | 64.73 | 64.80 | 0.25 | 0.35 | 0.40 | 0.05 | 0.14 | 0.20 |
| 3600 | 64.64 | 64.75 | 65.07 | 0.26 | 0.36 | 0.42 | 0.06 | 0.15 | 0.21 |
| 3700 | 64.40 | 64.47 | 64.69 | 0.26 | 0.36 | 0.42 | 0.06 | 0.15 | 0.21 |
| 3800 | 63.68 | 64.17 | 64.33 | 0.27 | 0.37 | 0.43 | 0.07 | 0.16 | 0.22 |
| 3900 | 63.12 | 63.29 | 63.32 | 0.27 | 0.38 | 0.44 | 0.08 | 0.17 | 0.23 |
| 4000 | 62.24 | 62.36 | 62.42 | 0.26 | 0.38 | 0.45 | 0.08 | 0.17 | 0.22 |
| 4100 | 61.34 | 61.62 | 61.38 | 0.26 | 0.38 | 0.45 | 0.09 | 0.18 | 0.24 |
| 4200 | 60.35 | 60.44 | 60.48 | 0.25 | 0.38 | 0.46 | 0.09 | 0.18 | 0.24 |
| 4300 | 59.32 | 59.42 | 59.41 | 0.25 | 0.38 | 0.46 | 0.09 | 0.18 | 0.24 |
| 4400 | 58.06 | 58.41 | 58.32 | 0.24 | 0.38 | 0.46 | 0.10 | 0.19 | 0.24 |
| 4500 | 57.10 | 57.22 | 57.14 | 0.24 | 0.38 | 0.48 | 0.11 | 0.20 | 0.25 |
| 4600 | 56.02 | 55.92 | 56.06 | 0.23 | 0.38 | 0.48 | 0.10 | 0.19 | 0.25 |
| 4700 | 54.79 | 54.88 | 54.86 | 0.23 | 0.38 | 0.49 | 0.11 | 0.20 | 0.25 |
| 4800 | 53.61 | 53.61 | 53.69 | 0.24 | 0.39 | 0.50 | 0.11 | 0.21 | 0.26 |
| 4900 | 52.38 | 52.44 | 52.43 | 0.26 | 0.42 | 0.54 | 0.11 | 0.20 | 0.25 |
| 5000 | 51.01 | 51.08 | 51.07 | 0.30 | 0.45 | 0.57 | 0.12 | 0.21 | 0.26 |
| 5100 | 49.46 | 49.52 | 49.59 | 0.29 | 0.44 | 0.56 | 0.12 | 0.21 | 0.26 |
| 5200 | 47.92 | 48.00 | 48.02 | 0.23 | 0.39 | 0.51 | 0.13 | 0.22 | 0.27 |
| 5300 | 46.35 | 46.31 | 46.33 | 0.21 | 0.37 | 0.50 | 0.13 | 0.22 | 0.26 |
| 5400 | 44.50 | 44.48 | 44.49 | 0.21 | 0.38 | 0.50 | 0.13 | 0.23 | 0.27 |
| 5450 | 43.57 | 43.53 | 43.48 | 0.20 | 0.37 | 0.50 | 0.14 | 0.23 | 0.27 |
| 5500 | 42.49 | 42.48 | 42.44 | 0.20 | 0.37 | 0.50 | 0.14 | 0.23 | 0.28 |
| 5550 | 41.40 | 41.37 | 41.29 | 0.21 | 0.38 | 0.51 | 0.14 | 0.24 | 0.28 |
| 5600 | 40.13 | 40.11 | 40.10 | 0.21 | 0.39 | 0.52 | 0.15 | 0.24 | 0.28 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|--------|
| | (nsec) | | |
| | @-40°C | @+25°C | @+85°C |
| 900 | 1.67 | 1.66 | 1.65 |
| 910 | 1.64 | 1.63 | 1.63 |
| 920 | 1.62 | 1.61 | 1.60 |
| 930 | 1.59 | 1.58 | 1.58 |
| 940 | 1.57 | 1.56 | 1.55 |
| 950 | 1.55 | 1.54 | 1.53 |
| 960 | 1.53 | 1.52 | 1.51 |
| 970 | 1.51 | 1.50 | 1.49 |
| 980 | 1.49 | 1.48 | 1.47 |
| 990 | 1.47 | 1.46 | 1.46 |
| 1000 | 1.46 | 1.45 | 1.44 |
| 1010 | 1.44 | 1.44 | 1.43 |
| 1020 | 1.43 | 1.42 | 1.42 |
| 1030 | 1.42 | 1.41 | 1.41 |
| 1040 | 1.41 | 1.41 | 1.40 |
| 1050 | 1.41 | 1.40 | 1.39 |
| 1060 | 1.40 | 1.39 | 1.39 |
| 1070 | 1.40 | 1.39 | 1.39 |
| 1080 | 1.40 | 1.39 | 1.38 |
| 1090 | 1.39 | 1.38 | 1.38 |
| 1100 | 1.39 | 1.38 | 1.38 |
| 1110 | 1.39 | 1.38 | 1.38 |
| 1120 | 1.40 | 1.39 | 1.39 |
| 1135 | 1.40 | 1.39 | 1.39 |
| 1140 | 1.40 | 1.40 | 1.39 |
| 1150 | 1.40 | 1.40 | 1.39 |
| 1160 | 1.40 | 1.40 | 1.39 |
| 1170 | 1.41 | 1.40 | 1.39 |
| 1180 | 1.41 | 1.41 | 1.40 |
| 1190 | 1.42 | 1.41 | 1.41 |
| 1200 | 1.42 | 1.42 | 1.41 |
| 1210 | 1.43 | 1.42 | 1.42 |
| 1220 | 1.43 | 1.43 | 1.42 |
| 1230 | 1.44 | 1.43 | 1.43 |
| 1240 | 1.45 | 1.44 | 1.44 |
| 1250 | 1.46 | 1.45 | 1.45 |
| 1260 | 1.47 | 1.46 | 1.46 |
| 1270 | 1.48 | 1.47 | 1.47 |
| 1280 | 1.49 | 1.48 | 1.48 |
| 1300 | 1.52 | 1.52 | 1.52 |
| 1370 | 1.74 | 1.74 | 1.75 |