

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS | | | INPUT RETURN LOSS | | | OUTPUT RETURN LOSS | | |
|--------------------|----------------|--------|---------|-------------------|--------|---------|--------------------|--------|---------|
| | (dB) | | | (dB) | | | (dB) | | |
| | @-55°C | @+25°C | @+125°C | @-55°C | @+25°C | @+125°C | @-55°C | @+25°C | @+125°C |
| 10 | 33.19 | 33.08 | 32.91 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 |
| 12 | 31.66 | 31.55 | 31.39 | 0.03 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 |
| 14 | 30.40 | 30.29 | 30.13 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 16 | 29.32 | 29.21 | 29.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 18 | 28.39 | 28.29 | 28.14 | 0.04 | 0.04 | 0.05 | 0.04 | 0.04 | 0.05 |
| 20 | 27.58 | 27.48 | 27.33 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 |
| 22 | 26.87 | 26.77 | 26.63 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.06 |
| 24 | 26.24 | 26.15 | 26.01 | 0.04 | 0.05 | 0.06 | 0.04 | 0.05 | 0.06 |
| 26 | 25.69 | 25.60 | 25.47 | 0.05 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 |
| 28 | 25.20 | 25.11 | 24.99 | 0.05 | 0.05 | 0.07 | 0.05 | 0.06 | 0.07 |
| 30 | 24.77 | 24.69 | 24.58 | 0.05 | 0.06 | 0.07 | 0.05 | 0.06 | 0.07 |
| 32 | 24.40 | 24.32 | 24.22 | 0.05 | 0.06 | 0.08 | 0.06 | 0.07 | 0.08 |
| 34 | 24.08 | 24.00 | 23.91 | 0.06 | 0.07 | 0.08 | 0.06 | 0.07 | 0.08 |
| 36 | 23.80 | 23.74 | 23.66 | 0.06 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 |
| 38 | 23.58 | 23.52 | 23.45 | 0.07 | 0.08 | 0.10 | 0.07 | 0.08 | 0.10 |
| 40 | 23.40 | 23.35 | 23.29 | 0.07 | 0.09 | 0.10 | 0.07 | 0.09 | 0.11 |
| 42 | 23.27 | 23.23 | 23.18 | 0.08 | 0.09 | 0.11 | 0.08 | 0.09 | 0.11 |
| 44 | 23.18 | 23.15 | 23.12 | 0.08 | 0.10 | 0.12 | 0.08 | 0.10 | 0.12 |
| 46 | 23.14 | 23.13 | 23.11 | 0.09 | 0.10 | 0.13 | 0.09 | 0.11 | 0.13 |
| 48 | 23.15 | 23.15 | 23.16 | 0.09 | 0.11 | 0.14 | 0.09 | 0.11 | 0.14 |
| 50 | 23.22 | 23.23 | 23.26 | 0.09 | 0.12 | 0.14 | 0.10 | 0.12 | 0.15 |
| 54 | 23.51 | 23.57 | 23.64 | 0.11 | 0.13 | 0.16 | 0.11 | 0.13 | 0.17 |
| 60 | 24.49 | 24.63 | 24.82 | 0.13 | 0.16 | 0.20 | 0.13 | 0.16 | 0.20 |
| 64 | 25.63 | 25.86 | 26.18 | 0.14 | 0.18 | 0.23 | 0.14 | 0.18 | 0.23 |
| 70 | 28.60 | 29.09 | 29.74 | 0.18 | 0.22 | 0.28 | 0.17 | 0.22 | 0.29 |
| 74 | 32.28 | 33.10 | 34.15 | 0.20 | 0.26 | 0.33 | 0.20 | 0.26 | 0.33 |
| 80 | 41.40 | 38.88 | 35.99 | 0.26 | 0.33 | 0.42 | 0.25 | 0.33 | 0.42 |
| 84 | 32.92 | 31.31 | 29.61 | 0.31 | 0.39 | 0.50 | 0.30 | 0.39 | 0.50 |
| 115 | 22.20 | 20.75 | 17.98 | 1.71 | 2.24 | 3.00 | 1.63 | 2.14 | 2.87 |
| 120 | 14.27 | 12.01 | 9.88 | 3.00 | 4.04 | 5.55 | 2.84 | 3.83 | 5.24 |
| 130 | 2.93 | 2.87 | 2.81 | 14.83 | 18.07 | 21.63 | 13.49 | 15.86 | 18.13 |
| 140 | 1.27 | 1.41 | 1.54 | 22.10 | 20.85 | 19.82 | 21.30 | 20.44 | 19.69 |
| 150 | 0.87 | 0.99 | 1.11 | 20.50 | 20.37 | 20.28 | 21.15 | 21.06 | 21.02 |
| 155 | 0.75 | 0.86 | 0.98 | 21.82 | 21.75 | 21.74 | 22.89 | 22.85 | 22.88 |
| 170 | 0.54 | 0.63 | 0.73 | 28.92 | 28.41 | 28.00 | 34.89 | 33.53 | 32.52 |
| 200 | 0.40 | 0.47 | 0.55 | 21.76 | 22.04 | 22.34 | 22.10 | 22.43 | 22.77 |
| 240 | 0.34 | 0.40 | 0.47 | 18.26 | 18.51 | 18.82 | 18.26 | 18.52 | 18.85 |
| 280 | 0.31 | 0.38 | 0.44 | 17.79 | 17.93 | 18.16 | 17.74 | 17.89 | 18.13 |
| 320 | 0.29 | 0.35 | 0.42 | 18.19 | 18.23 | 18.35 | 18.17 | 18.21 | 18.35 |
| 360 | 0.27 | 0.33 | 0.40 | 18.79 | 18.75 | 18.77 | 18.85 | 18.80 | 18.84 |
| 400 | 0.26 | 0.32 | 0.39 | 19.52 | 19.41 | 19.34 | 19.56 | 19.46 | 19.40 |
| 440 | 0.25 | 0.32 | 0.39 | 20.24 | 20.07 | 19.91 | 20.34 | 20.19 | 20.04 |
| 480 | 0.25 | 0.32 | 0.39 | 20.86 | 20.62 | 20.36 | 21.01 | 20.78 | 20.55 |
| 520 | 0.24 | 0.32 | 0.39 | 21.46 | 21.12 | 20.78 | 21.63 | 21.33 | 21.00 |
| 560 | 0.25 | 0.32 | 0.40 | 21.85 | 21.39 | 20.99 | 22.15 | 21.72 | 21.33 |
| 600 | 0.25 | 0.33 | 0.41 | 21.98 | 21.43 | 20.96 | 22.43 | 21.89 | 21.42 |
| 640 | 0.26 | 0.34 | 0.43 | 21.92 | 21.29 | 20.78 | 22.34 | 21.73 | 21.19 |
| 680 | 0.27 | 0.36 | 0.45 | 21.56 | 20.89 | 20.36 | 21.97 | 21.31 | 20.76 |
| 720 | 0.29 | 0.37 | 0.47 | 20.93 | 20.29 | 19.74 | 21.31 | 20.68 | 20.10 |
| 760 | 0.30 | 0.40 | 0.49 | 20.12 | 19.51 | 18.98 | 20.44 | 19.85 | 19.29 |
| 800 | 0.33 | 0.42 | 0.53 | 19.16 | 18.61 | 18.09 | 19.42 | 18.89 | 18.35 |
| 840 | 0.35 | 0.46 | 0.57 | 18.04 | 17.55 | 17.07 | 18.24 | 17.76 | 17.27 |
| 880 | 0.40 | 0.51 | 0.62 | 16.91 | 16.45 | 16.02 | 17.01 | 16.58 | 16.14 |
| 920 | 0.45 | 0.56 | 0.69 | 15.68 | 15.28 | 14.88 | 15.74 | 15.35 | 14.95 |
| 960 | 0.51 | 0.64 | 0.77 | 14.42 | 14.06 | 13.71 | 14.44 | 14.09 | 13.74 |
| 1000 | 0.59 | 0.73 | 0.88 | 13.16 | 12.84 | 12.53 | 13.16 | 12.86 | 12.55 |
| 1020 | 0.64 | 0.78 | 0.94 | 12.55 | 12.25 | 11.95 | 12.53 | 12.25 | 11.95 |
| 1050 | 0.73 | 0.88 | 1.04 | 11.61 | 11.34 | 11.07 | 11.60 | 11.34 | 11.07 |
| 1100 | 0.91 | 1.08 | 1.27 | 10.09 | 9.87 | 9.64 | 10.07 | 9.85 | 9.63 |
| 1150 | 1.16 | 1.35 | 1.56 | 8.68 | 8.50 | 8.30 | 8.65 | 8.47 | 8.27 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|---------|
| | (nsec) | | |
| | @-55°C | @+25°C | @+125°C |
| 140 | 8.02 | 7.41 | 6.77 |
| 155 | 4.27 | 4.11 | 3.92 |
| 180 | 2.42 | 2.37 | 2.31 |
| 200 | 1.71 | 1.68 | 1.65 |
| 220 | 1.45 | 1.43 | 1.42 |
| 240 | 1.19 | 1.18 | 1.17 |
| 260 | 1.01 | 1.01 | 1.00 |
| 280 | 0.89 | 0.88 | 0.88 |
| 300 | 0.79 | 0.79 | 0.79 |
| 320 | 0.72 | 0.72 | 0.72 |
| 340 | 0.66 | 0.66 | 0.66 |
| 360 | 0.61 | 0.61 | 0.61 |
| 380 | 0.58 | 0.58 | 0.58 |
| 400 | 0.55 | 0.55 | 0.55 |
| 420 | 0.52 | 0.52 | 0.53 |
| 440 | 0.50 | 0.50 | 0.51 |
| 460 | 0.48 | 0.49 | 0.49 |
| 480 | 0.47 | 0.47 | 0.48 |
| 500 | 0.46 | 0.46 | 0.46 |
| 520 | 0.45 | 0.45 | 0.45 |
| 540 | 0.44 | 0.44 | 0.44 |
| 560 | 0.43 | 0.43 | 0.44 |
| 580 | 0.42 | 0.43 | 0.43 |
| 600 | 0.42 | 0.42 | 0.42 |
| 620 | 0.41 | 0.42 | 0.42 |
| 640 | 0.41 | 0.41 | 0.42 |
| 660 | 0.41 | 0.41 | 0.42 |
| 680 | 0.41 | 0.41 | 0.41 |
| 700 | 0.40 | 0.41 | 0.41 |
| 720 | 0.40 | 0.41 | 0.41 |
| 740 | 0.41 | 0.41 | 0.42 |
| 760 | 0.40 | 0.41 | 0.41 |
| 780 | 0.40 | 0.41 | 0.42 |
| 800 | 0.41 | 0.41 | 0.42 |
| 820 | 0.41 | 0.42 | 0.42 |
| 850 | 0.41 | 0.42 | 0.43 |
| 900 | 0.42 | 0.43 | 0.44 |
| 950 | 0.44 | 0.44 | 0.45 |
| 1050 | 0.47 | 0.48 | 0.48 |
| 1150 | 0.51 | 0.51 | 0.52 |