

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 | 0.16 | 0.19 | 0.23 | 34.25 | 33.21 | 31.49 | 34.94 | 33.55 | 31.87 |
| 40 | 0.19 | 0.23 | 0.28 | 32.30 | 30.06 | 28.58 | 31.77 | 29.68 | 28.31 |
| 100 | 0.26 | 0.31 | 0.36 | 29.41 | 27.03 | 25.33 | 26.24 | 24.74 | 23.51 |
| 200 | 0.35 | 0.42 | 0.49 | 26.99 | 25.30 | 23.73 | 22.04 | 21.19 | 20.30 |
| 300 | 0.45 | 0.53 | 0.62 | 25.38 | 24.85 | 23.95 | 20.93 | 20.42 | 19.78 |
| 400 | 0.59 | 0.68 | 0.78 | 22.27 | 23.16 | 23.86 | 21.81 | 22.20 | 22.33 |
| 420 | 0.63 | 0.72 | 0.82 | 21.40 | 22.31 | 23.21 | 21.85 | 22.60 | 23.17 |
| 460 | 0.71 | 0.81 | 0.92 | 19.59 | 20.37 | 21.31 | 21.04 | 22.14 | 23.52 |
| 490 | 0.80 | 0.90 | 1.01 | 18.14 | 18.71 | 19.46 | 19.71 | 20.69 | 22.03 |
| 500 | 0.82 | 0.93 | 1.04 | 17.72 | 18.22 | 18.91 | 19.20 | 20.08 | 21.30 |
| 590 | 1.15 | 1.29 | 1.44 | 14.55 | 14.58 | 14.69 | 14.81 | 14.92 | 15.12 |
| 600 | 1.20 | 1.33 | 1.49 | 14.41 | 14.39 | 14.44 | 14.55 | 14.59 | 14.72 |
| 630 | 1.33 | 1.47 | 1.65 | 14.31 | 14.11 | 13.98 | 14.16 | 13.98 | 13.89 |
| 700 | 1.67 | 1.84 | 2.06 | 18.05 | 16.90 | 16.00 | 16.56 | 15.57 | 14.76 |
| 720 | 1.83 | 1.99 | 2.22 | 21.28 | 19.42 | 18.00 | 18.30 | 17.04 | 15.95 |
| 780 | 3.00 | 3.02 | 3.18 | 16.54 | 19.69 | 22.61 | 17.83 | 19.12 | 19.39 |
| 800 | 4.08 | 3.86 | 3.90 | 10.89 | 13.62 | 16.31 | 13.82 | 16.58 | 18.57 |
| 820 | 6.17 | 5.45 | 5.17 | 6.61 | 8.75 | 11.03 | 9.18 | 12.02 | 15.13 |
| 850 | 11.63 | 10.03 | 8.95 | 3.08 | 4.18 | 5.56 | 4.70 | 6.26 | 8.34 |
| 900 | 23.46 | 21.37 | 19.59 | 1.40 | 1.77 | 2.25 | 2.16 | 2.70 | 3.44 |
| 915 | 27.07 | 24.95 | 23.12 | 1.22 | 1.52 | 1.91 | 1.83 | 2.27 | 2.85 |
| 960 | 37.55 | 35.43 | 33.55 | 0.88 | 1.09 | 1.34 | 1.23 | 1.50 | 1.85 |
| 1000 | 46.17 | 44.18 | 42.38 | 0.72 | 0.89 | 1.08 | 0.93 | 1.13 | 1.39 |
| 1050 | 54.52 | 53.18 | 51.86 | 0.59 | 0.72 | 0.88 | 0.70 | 0.85 | 1.04 |
| 1200 | 59.29 | 59.39 | 59.61 | 0.38 | 0.48 | 0.60 | 0.38 | 0.48 | 0.59 |
| 1300 | 58.26 | 58.67 | 58.96 | 0.31 | 0.40 | 0.51 | 0.30 | 0.37 | 0.47 |
| 1500 | 54.24 | 54.85 | 55.58 | 0.22 | 0.30 | 0.40 | 0.22 | 0.27 | 0.35 |
| 2000 | 47.15 | 47.58 | 48.02 | 0.15 | 0.22 | 0.30 | 0.16 | 0.20 | 0.26 |
| 2900 | 45.95 | 46.01 | 46.06 | 0.16 | 0.21 | 0.26 | 0.15 | 0.19 | 0.26 |
| 3000 | 46.13 | 46.22 | 46.19 | 0.16 | 0.21 | 0.25 | 0.14 | 0.19 | 0.26 |
| 3300 | 47.59 | 47.54 | 47.42 | 0.16 | 0.21 | 0.25 | 0.14 | 0.19 | 0.28 |
| 3500 | 48.99 | 48.82 | 48.55 | 0.16 | 0.20 | 0.24 | 0.14 | 0.20 | 0.30 |
| 3700 | 50.66 | 50.47 | 50.01 | 0.15 | 0.20 | 0.24 | 0.13 | 0.20 | 0.32 |
| 3800 | 51.91 | 51.50 | 51.15 | 0.16 | 0.21 | 0.26 | 0.13 | 0.21 | 0.33 |
| 4000 | 55.65 | 55.10 | 54.44 | 0.17 | 0.22 | 0.27 | 0.14 | 0.22 | 0.35 |
| 4200 | 63.80 | 62.25 | 59.52 | 0.18 | 0.23 | 0.30 | 0.14 | 0.23 | 0.39 |
| 4500 | 55.16 | 57.63 | 59.94 | 0.23 | 0.28 | 0.37 | 0.15 | 0.25 | 0.43 |
| 4700 | 45.19 | 47.63 | 49.61 | 0.33 | 0.38 | 0.47 | 0.17 | 0.27 | 0.47 |
| 4900 | 32.52 | 36.58 | 39.93 | 0.67 | 0.61 | 0.67 | 0.35 | 0.36 | 0.54 |
| 5000 | 22.48 | 27.72 | 33.01 | 1.36 | 0.98 | 0.92 | 1.30 | 0.72 | 0.69 |
| 5300 | 21.37 | 22.08 | 23.22 | 8.95 | 5.83 | 3.53 | 0.30 | 0.43 | 0.72 |
| 5500 | 23.79 | 23.23 | 22.73 | 3.28 | 3.63 | 5.63 | 0.20 | 0.35 | 0.63 |
| 5700 | 26.58 | 23.90 | 24.00 | 6.26 | 8.76 | 5.61 | 0.28 | 0.39 | 0.63 |
| 5900 | 52.27 | 39.56 | 31.73 | 1.27 | 1.93 | 3.31 | 0.24 | 0.43 | 0.75 |
| 6000 | 46.46 | 60.57 | 44.06 | 0.85 | 1.19 | 1.86 | 0.15 | 0.35 | 0.70 |
| 6300 | 37.90 | 39.08 | 40.43 | 0.50 | 0.67 | 0.99 | 0.10 | 0.25 | 0.54 |
| 6500 | 36.07 | 36.61 | 37.81 | 0.48 | 0.63 | 0.92 | 0.10 | 0.26 | 0.54 |
| 6700 | 34.53 | 35.09 | 35.54 | 0.51 | 0.65 | 0.95 | 0.13 | 0.27 | 0.54 |
| 6900 | 33.28 | 33.68 | 34.59 | 0.59 | 0.73 | 1.03 | 0.32 | 0.36 | 0.57 |
| 7000 | 32.68 | 32.91 | 33.49 | 0.67 | 0.80 | 1.09 | 0.68 | 0.52 | 0.64 |
| 7300 | 31.35 | 32.03 | 32.60 | 1.05 | 1.11 | 1.37 | 0.35 | 0.60 | 1.06 |
| 7500 | 29.54 | 30.51 | 31.53 | 1.55 | 1.52 | 1.70 | 0.32 | 0.47 | 0.70 |
| 7700 | 28.67 | 29.33 | 30.12 | 2.60 | 2.30 | 2.30 | 0.41 | 0.49 | 0.67 |
| 7900 | 28.21 | 28.00 | 29.17 | 4.91 | 3.93 | 3.44 | 0.69 | 0.66 | 0.74 |
| 8000 | 31.69 | 28.80 | 28.89 | 6.68 | 5.36 | 4.45 | 0.83 | 0.85 | 0.86 |
| 8100 | 39.03 | 33.06 | 29.98 | 8.49 | 7.02 | 5.86 | 0.84 | 0.91 | 0.98 |
| 8200 | 41.67 | 41.33 | 35.38 | 9.34 | 8.58 | 7.49 | 1.00 | 0.92 | 1.04 |
| 8300 | 37.95 | 41.55 | 43.89 | 8.11 | 9.04 | 9.08 | 1.48 | 1.14 | 1.08 |
| 8400 | 33.50 | 37.14 | 41.53 | 6.16 | 7.74 | 9.51 | 1.92 | 1.64 | 1.31 |
| 8500 | 30.76 | 33.41 | 37.25 | 4.56 | 5.98 | 8.26 | 1.56 | 1.97 | 1.75 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|---------|
| | (nsec) | | |
| | @-55°C | @+25°C | @+125°C |
| 10 | 0.77 | 0.81 | 0.75 |
| 20 | 0.83 | 0.83 | 0.83 |
| 30 | 0.83 | 0.83 | 0.83 |
| 40 | 0.83 | 0.83 | 0.83 |
| 50 | 0.83 | 0.83 | 0.83 |
| 60 | 0.83 | 0.83 | 0.83 |
| 70 | 0.83 | 0.83 | 0.82 |
| 80 | 0.83 | 0.83 | 0.82 |
| 90 | 0.83 | 0.83 | 0.82 |
| 100 | 0.83 | 0.83 | 0.82 |
| 110 | 0.83 | 0.83 | 0.82 |
| 120 | 0.83 | 0.83 | 0.82 |
| 130 | 0.84 | 0.83 | 0.82 |
| 140 | 0.84 | 0.83 | 0.83 |
| 150 | 0.84 | 0.83 | 0.83 |
| 160 | 0.84 | 0.84 | 0.83 |
| 170 | 0.85 | 0.84 | 0.83 |
| 180 | 0.85 | 0.84 | 0.84 |
| 190 | 0.86 | 0.85 | 0.84 |
| 200 | 0.86 | 0.85 | 0.85 |
| 220 | 0.87 | 0.86 | 0.85 |
| 240 | 0.88 | 0.87 | 0.87 |
| 260 | 0.90 | 0.89 | 0.88 |
| 280 | 0.91 | 0.90 | 0.89 |
| 300 | 0.93 | 0.92 | 0.91 |
| 320 | 0.95 | 0.94 | 0.93 |
| 340 | 0.97 | 0.95 | 0.95 |
| 360 | 0.99 | 0.98 | 0.97 |
| 380 | 1.02 | 1.00 | 0.99 |
| 400 | 1.04 | 1.03 | 1.02 |
| 420 | 1.07 | 1.06 | 1.04 |
| 440 | 1.11 | 1.09 | 1.08 |
| 460 | 1.14 | 1.12 | 1.11 |
| 480 | 1.18 | 1.16 | 1.14 |
| 500 | 1.23 | 1.20 | 1.18 |
| 520 | 1.27 | 1.25 | 1.23 |
| 540 | 1.33 | 1.30 | 1.27 |
| 560 | 1.39 | 1.35 | 1.33 |
| 580 | 1.46 | 1.42 | 1.39 |
| 600 | 1.54 | 1.49 | 1.46 |
| 630 | 1.69 | 1.63 | 1.58 |