

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 | 0.24 | 0.29 | 0.32 | 34.35 | 32.94 | 31.83 | 35.59 | 34.03 | 32.46 |
| 40 | 0.26 | 0.31 | 0.35 | 30.83 | 28.30 | 27.13 | 29.88 | 27.62 | 26.57 |
| 100 | 0.30 | 0.37 | 0.42 | 26.03 | 24.01 | 22.73 | 23.18 | 21.85 | 20.85 |
| 200 | 0.40 | 0.50 | 0.56 | 20.44 | 19.68 | 18.89 | 16.80 | 16.46 | 15.76 |
| 300 | 0.57 | 0.69 | 0.76 | 18.52 | 18.24 | 17.78 | 15.95 | 15.78 | 15.25 |
| 400 | 0.78 | 0.93 | 1.03 | 20.94 | 20.89 | 20.29 | 23.55 | 23.22 | 22.74 |
| 420 | 0.84 | 1.00 | 1.11 | 22.05 | 21.86 | 21.08 | 28.61 | 28.54 | 28.13 |
| 460 | 1.01 | 1.19 | 1.31 | 23.11 | 22.72 | 21.76 | 25.03 | 26.12 | 26.44 |
| 490 | 1.21 | 1.39 | 1.53 | 21.45 | 21.43 | 20.83 | 20.03 | 20.50 | 20.44 |
| 500 | 1.29 | 1.47 | 1.62 | 20.68 | 20.76 | 20.29 | 19.02 | 19.37 | 19.26 |
| 590 | 3.10 | 3.14 | 3.25 | 15.62 | 18.54 | 20.42 | 12.02 | 13.10 | 13.78 |
| 600 | 3.81 | 3.70 | 3.72 | 11.94 | 14.88 | 17.74 | 10.08 | 11.50 | 12.58 |
| 685 | 22.49 | 20.40 | 18.64 | 1.30 | 1.82 | 2.30 | 3.31 | 3.98 | 4.82 |
| 700 | 27.16 | 24.88 | 22.92 | 1.03 | 1.46 | 1.81 | 3.01 | 3.62 | 4.37 |
| 720 | 33.82 | 31.22 | 28.99 | 0.76 | 1.12 | 1.36 | 2.62 | 3.16 | 3.81 |
| 800 | 57.63 | 59.66 | 60.32 | 0.26 | 0.54 | 0.59 | 1.49 | 1.80 | 2.16 |
| 850 | 55.93 | 56.20 | 56.50 | 0.07 | 0.33 | 0.34 | 1.05 | 1.28 | 1.54 |
| 900 | 57.10 | 57.34 | 57.48 | 0.04 | 0.21 | 0.20 | 0.78 | 0.97 | 1.16 |
| 960 | 58.11 | 58.35 | 58.57 | 0.11 | 0.12 | 0.11 | 0.57 | 0.71 | 0.86 |
| 1000 | 58.82 | 58.89 | 59.05 | 0.12 | 0.10 | 0.09 | 0.49 | 0.62 | 0.75 |
| 1100 | 62.45 | 61.68 | 61.44 | 0.23 | 0.05 | 0.04 | 0.37 | 0.47 | 0.56 |
| 1500 | 50.62 | 51.53 | 52.28 | 0.23 | 0.08 | 0.08 | 0.19 | 0.26 | 0.31 |
| 2000 | 44.65 | 45.05 | 45.29 | 0.24 | 0.07 | 0.11 | 0.12 | 0.18 | 0.22 |
| 2200 | 44.19 | 44.50 | 44.62 | 0.23 | 0.08 | 0.11 | 0.09 | 0.15 | 0.19 |
| 2300 | 44.15 | 44.38 | 44.49 | 0.25 | 0.11 | 0.14 | 0.08 | 0.15 | 0.18 |
| 2400 | 44.16 | 44.37 | 44.41 | 0.30 | 0.15 | 0.18 | 0.06 | 0.13 | 0.17 |
| 2500 | 44.31 | 44.45 | 44.50 | 0.31 | 0.17 | 0.20 | 0.07 | 0.14 | 0.18 |
| 2700 | 44.93 | 45.04 | 44.99 | 0.36 | 0.19 | 0.24 | 0.07 | 0.15 | 0.20 |
| 2900 | 45.90 | 45.91 | 45.74 | 0.44 | 0.25 | 0.33 | 0.06 | 0.14 | 0.19 |
| 3000 | 46.44 | 46.46 | 46.24 | 0.46 | 0.27 | 0.35 | 0.04 | 0.11 | 0.17 |
| 3300 | 49.27 | 49.09 | 48.70 | 0.49 | 0.31 | 0.39 | 0.02 | 0.10 | 0.17 |
| 3500 | 53.26 | 52.64 | 51.73 | 0.48 | 0.30 | 0.37 | 0.00 | 0.09 | 0.18 |
| 3700 | 64.37 | 61.41 | 58.87 | 0.47 | 0.32 | 0.37 | 0.01 | 0.10 | 0.20 |
| 3900 | 48.91 | 52.41 | 56.18 | 0.39 | 0.24 | 0.30 | 0.02 | 0.12 | 0.23 |
| 4000 | 41.97 | 45.29 | 48.32 | 0.25 | 0.13 | 0.22 | 0.03 | 0.13 | 0.24 |
| 4200 | 25.01 | 30.21 | 34.60 | 1.54 | 0.71 | 0.26 | 0.25 | 0.24 | 0.32 |
| 4500 | 22.61 | 18.46 | 16.45 | 0.67 | 1.44 | 1.47 | 0.51 | 1.43 | 2.45 |
| 4700 | 31.26 | 29.72 | 27.70 | 4.17 | 2.18 | 1.24 | 0.06 | 0.21 | 0.46 |
| 4900 | 26.43 | 28.83 | 30.62 | 1.03 | 1.53 | 2.98 | 0.10 | 0.19 | 0.38 |
| 5000 | 29.04 | 24.80 | 26.96 | 0.69 | 1.82 | 1.34 | 0.12 | 0.31 | 0.43 |
| 5300 | 49.51 | 56.61 | 48.60 | 0.47 | 0.21 | 0.08 | 0.02 | 0.17 | 0.40 |
| 5500 | 41.40 | 43.40 | 45.25 | 0.51 | 0.25 | 0.18 | 0.01 | 0.16 | 0.40 |
| 5700 | 38.59 | 39.42 | 40.25 | 0.58 | 0.29 | 0.24 | 0.02 | 0.18 | 0.43 |
| 5900 | 36.15 | 37.07 | 37.75 | 0.61 | 0.30 | 0.26 | 0.04 | 0.21 | 0.45 |
| 6000 | 35.21 | 36.25 | 36.59 | 0.50 | 0.20 | 0.14 | 0.08 | 0.23 | 0.47 |
| 6300 | 32.20 | 32.99 | 33.84 | 0.25 | 0.01 | 0.10 | 0.14 | 0.28 | 0.50 |
| 6500 | 29.64 | 30.83 | 31.93 | 0.11 | 0.28 | 0.37 | 0.32 | 0.38 | 0.55 |
| 6700 | 26.79 | 28.11 | 29.61 | 0.92 | 0.84 | 0.76 | 1.25 | 0.80 | 0.76 |
| 6900 | 37.68 | 29.66 | 27.83 | 2.57 | 2.29 | 1.87 | 2.79 | 2.90 | 1.82 |
| 7000 | 48.66 | 40.35 | 32.06 | 4.36 | 3.35 | 2.77 | 1.36 | 2.78 | 2.98 |
| 7300 | 34.83 | 38.12 | 42.39 | 8.71 | 11.99 | 9.96 | 0.54 | 0.73 | 1.10 |
| 7500 | 31.45 | 32.91 | 34.77 | 2.81 | 5.07 | 8.64 | 0.87 | 0.77 | 0.85 |
| 7700 | 28.90 | 30.45 | 31.52 | 0.80 | 1.86 | 3.30 | 1.17 | 1.44 | 1.17 |
| 7900 | 27.13 | 28.03 | 29.05 | 0.04 | 0.71 | 1.47 | 0.60 | 0.87 | 1.23 |
| 8000 | 26.62 | 27.25 | 28.07 | 0.16 | 0.40 | 1.02 | 0.53 | 0.70 | 0.92 |
| 8100 | 26.14 | 26.77 | 27.49 | 0.25 | 0.27 | 0.78 | 0.51 | 0.63 | 0.75 |
| 8200 | 25.70 | 26.30 | 27.24 | 0.40 | 0.11 | 0.51 | 0.54 | 0.62 | 0.69 |
| 8300 | 25.45 | 26.09 | 26.64 | 0.42 | 0.07 | 0.39 | 0.60 | 0.64 | 0.67 |
| 8400 | 25.05 | 25.68 | 26.30 | 0.55 | 0.04 | 0.21 | 0.68 | 0.69 | 0.71 |
| 8500 | 24.80 | 25.24 | 25.80 | 0.64 | 0.16 | 0.04 | 0.76 | 0.74 | 0.73 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|---------|
| | (nsec) | | |
| | @-55°C | @+25°C | @+125°C |
| 10 | 0.96 | 0.98 | 1.00 |
| 13 | 0.96 | 0.99 | 1.01 |
| 16 | 0.97 | 0.99 | 1.01 |
| 19 | 0.98 | 0.99 | 1.01 |
| 20 | 0.99 | 1.00 | 1.01 |
| 40 | 1.00 | 1.01 | 1.01 |
| 60 | 1.01 | 1.01 | 1.02 |
| 80 | 1.02 | 1.02 | 1.02 |
| 100 | 1.04 | 1.03 | 1.03 |
| 120 | 1.05 | 1.04 | 1.03 |
| 140 | 1.06 | 1.05 | 1.04 |
| 160 | 1.07 | 1.06 | 1.05 |
| 180 | 1.09 | 1.08 | 1.07 |
| 200 | 1.11 | 1.10 | 1.09 |
| 220 | 1.13 | 1.12 | 1.11 |
| 240 | 1.16 | 1.15 | 1.13 |
| 260 | 1.19 | 1.18 | 1.16 |
| 280 | 1.23 | 1.21 | 1.20 |
| 300 | 1.27 | 1.25 | 1.24 |
| 320 | 1.33 | 1.30 | 1.28 |
| 340 | 1.38 | 1.36 | 1.33 |
| 360 | 1.45 | 1.42 | 1.39 |
| 380 | 1.52 | 1.49 | 1.46 |
| 400 | 1.61 | 1.57 | 1.53 |
| 420 | 1.70 | 1.65 | 1.61 |
| 440 | 1.79 | 1.74 | 1.70 |
| 460 | 1.90 | 1.84 | 1.79 |
| 480 | 2.01 | 1.94 | 1.88 |
| 490 | 2.13 | 2.05 | 1.98 |
| 500 | 2.26 | 2.17 | 2.09 |
| 510 | 2.41 | 2.30 | 2.21 |
| 520 | 2.57 | 2.44 | 2.33 |
| 530 | 2.74 | 2.60 | 2.48 |
| 540 | 2.94 | 2.77 | 2.63 |
| 550 | 3.15 | 2.96 | 2.80 |
| 560 | 3.37 | 3.16 | 2.97 |
| 570 | 3.60 | 3.36 | 3.16 |
| 580 | 3.81 | 3.57 | 3.35 |
| 590 | 4.02 | 3.77 | 3.54 |
| 600 | 4.21 | 3.96 | 3.72 |
| 620 | 4.62 | 4.49 | 4.30 |