

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 |
| 1.0 | 64.08 | 63.99 | 64.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.0 | 53.98 | 53.99 | 53.99 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| 15.0 | 60.67 | 60.91 | 60.90 | 0.14 | 0.16 | 0.17 | 0.19 | 0.22 | 0.24 |
| 17.0 | 52.20 | 50.94 | 50.14 | 0.33 | 0.36 | 0.39 | 0.40 | 0.46 | 0.50 |
| 17.5 | 33.70 | 33.07 | 32.63 | 0.46 | 0.51 | 0.56 | 0.54 | 0.62 | 0.67 |
| 18.0 | 20.55 | 20.05 | 19.70 | 0.77 | 0.87 | 0.95 | 0.87 | 0.98 | 1.07 |
| 18.5 | 9.02 | 8.67 | 8.45 | 2.28 | 2.56 | 2.79 | 2.38 | 2.68 | 2.93 |
| 18.8 | 3.98 | 3.87 | 3.83 | 6.10 | 6.71 | 7.18 | 6.21 | 6.85 | 7.33 |
| 19.0 | 2.25 | 2.27 | 2.31 | 11.56 | 12.47 | 13.10 | 11.69 | 12.62 | 13.26 |
| 20.0 | 0.83 | 0.89 | 0.95 | 23.88 | 24.14 | 24.47 | 24.85 | 25.16 | 25.58 |
| 25.0 | 0.29 | 0.31 | 0.34 | 31.56 | 31.55 | 31.81 | 30.31 | 30.45 | 30.66 |
| 30.0 | 0.21 | 0.23 | 0.25 | 23.02 | 23.32 | 23.48 | 23.32 | 23.76 | 23.98 |
| 50.0 | 0.15 | 0.17 | 0.18 | 25.64 | 26.00 | 26.09 | 25.50 | 25.72 | 25.75 |
| 100.0 | 0.16 | 0.19 | 0.20 | 23.38 | 24.17 | 24.81 | 23.28 | 24.09 | 24.74 |
| 250.0 | 0.22 | 0.26 | 0.28 | 26.89 | 26.99 | 25.60 | 27.72 | 28.59 | 27.24 |
| 500.0 | 0.35 | 0.44 | 0.49 | 23.64 | 23.06 | 22.69 | 21.99 | 21.43 | 21.25 |
| 510.0 | 0.36 | 0.45 | 0.49 | 23.69 | 23.04 | 22.70 | 21.93 | 21.36 | 21.20 |
| 750.0 | 0.56 | 0.72 | 0.81 | 23.49 | 21.39 | 20.91 | 25.07 | 23.67 | 23.55 |
| 1000.0 | 1.25 | 1.55 | 1.73 | 17.44 | 16.23 | 15.89 | 16.77 | 15.98 | 15.87 |
| 1050.0 | 2.77 | 3.46 | 4.01 | 11.25 | 11.54 | 11.26 | 8.18 | 7.66 | 7.07 |
| 1052.0 | 3.01 | 3.75 | 4.35 | 10.37 | 10.57 | 10.30 | 7.45 | 6.95 | 6.41 |
| 1070.0 | 6.75 | 7.99 | 8.93 | 4.86 | 5.01 | 5.05 | 2.98 | 2.83 | 2.69 |
| 1080.0 | 9.92 | 11.33 | 12.38 | 3.41 | 3.65 | 3.78 | 1.87 | 1.87 | 1.84 |
| 1090.0 | 13.56 | 15.09 | 16.21 | 2.60 | 2.89 | 3.06 | 1.30 | 1.38 | 1.40 |
| 1100.0 | 17.55 | 19.15 | 20.34 | 2.14 | 2.44 | 2.63 | 1.01 | 1.12 | 1.16 |
| 1108.0 | 20.97 | 22.64 | 23.91 | 1.90 | 2.20 | 2.39 | 0.88 | 1.00 | 1.05 |
| 1120.0 | 26.66 | 28.52 | 30.01 | 1.67 | 1.96 | 2.15 | 0.76 | 0.88 | 0.94 |
| 1126.0 | 29.91 | 31.94 | 33.67 | 1.58 | 1.87 | 2.05 | 0.73 | 0.85 | 0.90 |
| 1128.0 | 31.08 | 33.19 | 35.03 | 1.55 | 1.84 | 2.03 | 0.72 | 0.84 | 0.89 |
| 1150.0 | 56.69 | 60.93 | 53.02 | 1.36 | 1.63 | 1.80 | 0.63 | 0.74 | 0.79 |
| 1176.0 | 42.30 | 42.16 | 41.64 | 1.23 | 1.50 | 1.66 | 0.56 | 0.67 | 0.72 |
| 1180.0 | 41.98 | 41.93 | 41.50 | 1.22 | 1.49 | 1.65 | 0.55 | 0.66 | 0.71 |
| 1190.0 | 41.91 | 41.98 | 41.66 | 1.20 | 1.47 | 1.63 | 0.53 | 0.64 | 0.69 |
| 1200.0 | 42.59 | 42.65 | 42.35 | 1.19 | 1.46 | 1.62 | 0.51 | 0.62 | 0.66 |
| 1226.0 | 46.79 | 46.43 | 45.81 | 1.23 | 1.54 | 1.70 | 0.46 | 0.57 | 0.62 |
| 1250.0 | 50.49 | 49.50 | 48.89 | 1.41 | 1.76 | 1.91 | 0.43 | 0.54 | 0.58 |
| 1260.0 | 49.51 | 49.15 | 49.05 | 1.54 | 1.89 | 2.01 | 0.41 | 0.52 | 0.57 |
| 1270.0 | 47.83 | 48.23 | 48.62 | 1.70 | 2.03 | 2.11 | 0.40 | 0.51 | 0.55 |
| 1280.0 | 46.36 | 47.23 | 47.92 | 1.90 | 2.16 | 2.19 | 0.39 | 0.50 | 0.54 |
| 1290.0 | 45.21 | 46.31 | 47.08 | 2.11 | 2.27 | 2.25 | 0.38 | 0.49 | 0.53 |
| 1300.0 | 44.40 | 45.58 | 46.24 | 2.31 | 2.35 | 2.30 | 0.37 | 0.48 | 0.52 |
| 1325.0 | 43.33 | 44.03 | 44.35 | 2.56 | 2.43 | 2.37 | 0.35 | 0.46 | 0.50 |
| 1350.0 | 42.54 | 42.74 | 42.91 | 2.53 | 2.45 | 2.44 | 0.33 | 0.44 | 0.48 |
| 1400.0 | 41.20 | 41.31 | 41.47 | 2.42 | 2.54 | 2.66 | 0.30 | 0.41 | 0.44 |
| 1450.0 | 40.84 | 41.02 | 41.19 | 2.51 | 2.80 | 3.03 | 0.28 | 0.38 | 0.42 |
| 1500.0 | 41.02 | 41.32 | 41.54 | 2.82 | 3.27 | 3.62 | 0.26 | 0.37 | 0.41 |
| 1550.0 | 41.54 | 42.06 | 42.36 | 3.41 | 4.02 | 4.50 | 0.25 | 0.36 | 0.40 |
| 1600.0 | 42.39 | 43.17 | 43.68 | 4.37 | 5.11 | 5.69 | 0.24 | 0.35 | 0.39 |
| 1625.0 | 43.01 | 43.95 | 44.59 | 5.00 | 5.76 | 6.33 | 0.24 | 0.35 | 0.39 |
| 1650.0 | 43.72 | 44.91 | 45.69 | 5.70 | 6.40 | 6.90 | 0.23 | 0.34 | 0.39 |
| 1700.0 | 45.68 | 47.22 | 48.19 | 6.84 | 7.17 | 7.42 | 0.24 | 0.35 | 0.39 |
| 1725.0 | 46.84 | 48.43 | 49.53 | 7.01 | 7.16 | 7.31 | 0.23 | 0.35 | 0.39 |
| 1750.0 | 47.92 | 49.70 | 50.85 | 6.88 | 6.95 | 7.07 | 0.24 | 0.35 | 0.39 |
| 1800.0 | 50.15 | 51.99 | 53.27 | 6.19 | 6.33 | 6.48 | 0.23 | 0.35 | 0.39 |
| 1825.0 | 51.12 | 52.98 | 54.33 | 5.85 | 6.07 | 6.25 | 0.24 | 0.35 | 0.40 |
| 1850.0 | 52.21 | 54.02 | 55.45 | 5.57 | 5.86 | 6.07 | 0.25 | 0.36 | 0.40 |
| 1900.0 | 54.24 | 56.14 | 57.70 | 5.24 | 5.65 | 5.92 | 0.25 | 0.36 | 0.41 |
| 2000.0 | 59.87 | 62.22 | 64.36 | 5.35 | 5.98 | 6.35 | 0.26 | 0.37 | 0.42 |
| 2250.0 | 53.13 | 54.32 | 55.08 | 10.13 | 11.05 | 11.24 | 0.30 | 0.42 | 0.47 |
| 2500.0 | 48.02 | 47.55 | 47.25 | 10.78 | 10.60 | 10.24 | 0.47 | 0.59 | 0.64 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|--------|
| | (nsec) | | |
| | @-40°C | @+25°C | @+85°C |
| 20.0 | 181.99 | 179.13 | 177.13 |
| 21.0 | 114.39 | 113.34 | 112.62 |
| 22.0 | 82.98 | 82.46 | 82.07 |
| 23.0 | 65.20 | 64.89 | 64.65 |
| 24.0 | 53.72 | 53.47 | 53.30 |
| 25.0 | 39.92 | 39.79 | 39.67 |
| 26.0 | 37.69 | 37.58 | 37.45 |
| 27.0 | 35.41 | 35.30 | 35.21 |
| 28.0 | 33.07 | 32.96 | 32.87 |
| 29.0 | 30.61 | 30.52 | 30.43 |
| 30.0 | 28.08 | 27.99 | 27.92 |
| 32.0 | 22.84 | 22.78 | 22.73 |
| 34.0 | 18.29 | 18.25 | 18.22 |
| 36.0 | 16.48 | 16.44 | 16.41 |
| 38.0 | 14.88 | 14.85 | 14.83 |
| 40.0 | 13.47 | 13.44 | 13.42 |
| 42.0 | 12.20 | 12.17 | 12.15 |
| 44.0 | 11.06 | 11.04 | 11.02 |
| 46.0 | 10.01 | 9.99 | 9.98 |
| 48.0 | 9.01 | 8.99 | 8.98 |
| 50.0 | 8.11 | 8.10 | 8.09 |
| 52.0 | 7.33 | 7.32 | 7.31 |
| 54.0 | 6.65 | 6.64 | 6.64 |
| 55.0 | 6.05 | 6.04 | 6.04 |
| 75.0 | 4.21 | 4.20 | 4.20 |
| 100.0 | 2.71 | 2.70 | 2.70 |
| 125.0 | 2.04 | 2.04 | 2.04 |
| 150.0 | 1.72 | 1.72 | 1.72 |
| 175.0 | 1.54 | 1.54 | 1.54 |
| 200.0 | 1.43 | 1.43 | 1.42 |
| 225.0 | 1.35 | 1.35 | 1.35 |
| 250.0 | 1.30 | 1.30 | 1.30 |
| 275.0 | 1.27 | 1.27 | 1.27 |
| 300.0 | 1.25 | 1.25 | 1.24 |
| 325.0 | 1.23 | 1.23 | 1.23 |
| 350.0 | 1.22 | 1.22 | 1.22 |
| 375.0 | 1.22 | 1.21 | 1.21 |
| 400.0 | 1.21 | 1.21 | 1.21 |
| 425.0 | 1.22 | 1.22 | 1.22 |
| 450.0 | 1.22 | 1.22 | 1.22 |
| 475.0 | 1.23 | 1.23 | 1.23 |
| 510.0 | 1.25 | 1.25 | 1.25 |
| 525.0 | 1.25 | 1.25 | 1.25 |
| 550.0 | 1.27 | 1.27 | 1.27 |
| 600.0 | 1.31 | 1.31 | 1.31 |
| 650.0 | 1.36 | 1.37 | 1.37 |
| 675.0 | 1.40 | 1.40 | 1.40 |
| 700.0 | 1.44 | 1.44 | 1.45 |
| 725.0 | 1.49 | 1.49 | 1.50 |
| 750.0 | 1.54 | 1.55 | 1.55 |
| 775.0 | 1.61 | 1.62 | 1.62 |
| 800.0 | 1.68 | 1.68 | 1.68 |
| 825.0 | 1.79 | 1.75 | 1.69 |
| 850.0 | 1.79 | 1.64 | 1.61 |
| 875.0 | 1.58 | 1.72 | 1.81 |
| 900.0 | 1.94 | 2.04 | 2.08 |
| 925.0 | 2.25 | 2.31 | 2.34 |
| 950.0 | 2.55 | 2.59 | 2.61 |
| 975.0 | 2.91 | 2.94 | 2.97 |
| 1000.0 | 3.45 | 3.51 | 3.57 |