

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS | | | INPUT RETURN LOSS | | | OUTPUT RETURN LOSS | | |
|--------------------|----------------|--------|---------|-------------------|--------|---------|--------------------|--------|---------|
| | (dB) | | | (dB) | | | (dB) | | |
| | @-55°C | @+25°C | @+100°C | @-55°C | @+25°C | @+100°C | @-55°C | @+25°C | @+100°C |
| 10.0 | 92.24 | 90.67 | 90.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 |
| 50.0 | 77.53 | 77.76 | 77.88 | 0.02 | 0.03 | 0.03 | 0.04 | 0.06 | 0.07 |
| 100.0 | 71.52 | 72.04 | 71.50 | 0.05 | 0.05 | 0.06 | 0.06 | 0.09 | 0.09 |
| 500.0 | 57.53 | 57.59 | 57.56 | 0.15 | 0.18 | 0.19 | 0.09 | 0.18 | 0.21 |
| 1000.0 | 50.50 | 50.55 | 50.56 | 0.14 | 0.18 | 0.21 | 0.05 | 0.17 | 0.23 |
| 1200.0 | 48.27 | 48.28 | 48.28 | 0.12 | 0.18 | 0.21 | 0.02 | 0.17 | 0.23 |
| 1400.0 | 46.14 | 46.13 | 46.12 | 0.12 | 0.17 | 0.22 | 0.01 | 0.17 | 0.24 |
| 1600.0 | 44.10 | 44.05 | 44.04 | 0.11 | 0.17 | 0.22 | 0.01 | 0.17 | 0.26 |
| 1800.0 | 42.13 | 42.04 | 42.05 | 0.11 | 0.18 | 0.24 | 0.01 | 0.19 | 0.29 |
| 2000.0 | 40.03 | 39.90 | 39.97 | 0.13 | 0.22 | 0.29 | 0.00 | 0.23 | 0.35 |
| 2200.0 | 36.27 | 36.06 | 36.03 | 0.22 | 0.33 | 0.43 | 0.07 | 0.33 | 0.48 |
| 2300.0 | 31.60 | 31.19 | 30.95 | 0.35 | 0.49 | 0.61 | 0.15 | 0.45 | 0.61 |
| 2320.0 | 30.20 | 29.74 | 29.42 | 0.39 | 0.54 | 0.67 | 0.19 | 0.49 | 0.67 |
| 2340.0 | 28.62 | 28.08 | 27.71 | 0.44 | 0.61 | 0.75 | 0.23 | 0.55 | 0.74 |
| 2360.0 | 26.78 | 26.18 | 25.74 | 0.52 | 0.70 | 0.86 | 0.29 | 0.62 | 0.82 |
| 2380.0 | 24.73 | 24.03 | 23.52 | 0.62 | 0.84 | 1.03 | 0.38 | 0.73 | 0.95 |
| 2400.0 | 22.41 | 21.59 | 21.01 | 0.76 | 1.01 | 1.24 | 0.50 | 0.88 | 1.14 |
| 2420.0 | 19.79 | 18.86 | 18.21 | 1.00 | 1.32 | 1.62 | 0.67 | 1.12 | 1.42 |
| 2440.0 | 16.84 | 15.81 | 15.10 | 1.37 | 1.82 | 2.24 | 0.98 | 1.53 | 1.94 |
| 2460.0 | 13.62 | 12.54 | 11.84 | 2.03 | 2.73 | 3.40 | 1.53 | 2.28 | 2.89 |
| 2480.0 | 10.24 | 9.27 | 8.70 | 3.36 | 4.57 | 5.71 | 2.60 | 3.76 | 4.72 |
| 2500.0 | 7.12 | 6.50 | 6.24 | 6.08 | 8.22 | 10.13 | 4.80 | 6.63 | 8.05 |
| 2520.0 | 4.85 | 4.71 | 4.75 | 11.32 | 14.50 | 16.55 | 8.68 | 11.02 | 12.44 |
| 2540.0 | 3.59 | 3.75 | 3.94 | 18.95 | 20.18 | 19.90 | 13.28 | 15.10 | 15.85 |
| 2560.0 | 2.93 | 3.22 | 3.47 | 21.61 | 22.23 | 22.95 | 16.91 | 18.72 | 19.68 |
| 2580.0 | 2.53 | 2.87 | 3.16 | 25.65 | 31.22 | 40.11 | 22.21 | 25.82 | 26.89 |
| 2600.0 | 2.28 | 2.67 | 2.99 | 34.12 | 26.62 | 23.79 | 29.91 | 24.88 | 22.43 |
| 2620.0 | 2.15 | 2.57 | 2.90 | 21.03 | 19.19 | 18.33 | 20.11 | 18.40 | 17.56 |
| 2640.0 | 2.08 | 2.50 | 2.84 | 17.51 | 17.15 | 17.04 | 16.58 | 16.28 | 16.16 |
| 2660.0 | 2.02 | 2.44 | 2.77 | 17.19 | 17.89 | 18.42 | 15.87 | 16.41 | 16.75 |
| 2680.0 | 1.95 | 2.37 | 2.72 | 19.36 | 21.57 | 23.07 | 17.01 | 18.09 | 18.74 |
| 2700.0 | 1.92 | 2.36 | 2.72 | 27.44 | 37.38 | 42.02 | 19.28 | 19.84 | 20.06 |
| 2720.0 | 1.94 | 2.41 | 2.78 | 28.82 | 23.92 | 22.57 | 19.49 | 18.62 | 18.44 |
| 2740.0 | 2.03 | 2.51 | 2.89 | 19.71 | 18.18 | 17.88 | 16.93 | 16.36 | 16.45 |
| 2760.0 | 2.14 | 2.61 | 2.99 | 16.34 | 16.08 | 16.31 | 14.92 | 15.11 | 15.55 |
| 2780.0 | 2.23 | 2.67 | 3.04 | 15.59 | 16.21 | 16.89 | 14.61 | 15.57 | 16.45 |
| 2795.0 | 2.26 | 2.70 | 3.06 | 16.17 | 17.51 | 18.63 | 15.29 | 16.99 | 18.35 |
| 2800.0 | 2.27 | 2.70 | 3.07 | 16.59 | 18.21 | 19.48 | 15.73 | 17.72 | 19.27 |
| 2820.0 | 2.28 | 2.71 | 3.09 | 19.82 | 22.80 | 24.34 | 18.96 | 22.73 | 25.46 |
| 2840.0 | 2.28 | 2.75 | 3.13 | 26.84 | 25.74 | 23.45 | 26.48 | 28.42 | 25.87 |
| 2860.0 | 2.34 | 2.83 | 3.23 | 23.30 | 19.91 | 18.58 | 24.64 | 21.04 | 19.62 |
| 2880.0 | 2.42 | 2.92 | 3.33 | 18.01 | 16.61 | 16.11 | 18.56 | 17.29 | 16.85 |
| 2900.0 | 2.51 | 3.01 | 3.41 | 15.56 | 15.29 | 15.31 | 15.91 | 15.81 | 15.89 |
| 2920.0 | 2.57 | 3.05 | 3.46 | 15.35 | 15.92 | 16.42 | 15.63 | 16.37 | 16.89 |
| 2940.0 | 2.61 | 3.10 | 3.53 | 16.47 | 17.98 | 18.98 | 16.87 | 18.59 | 19.54 |
| 2960.0 | 2.66 | 3.20 | 3.68 | 19.55 | 22.16 | 23.73 | 20.22 | 23.22 | 24.50 |
| 2980.0 | 2.82 | 3.44 | 3.99 | 24.51 | 26.40 | 27.02 | 26.70 | 28.35 | 27.70 |
| 3000.0 | 3.14 | 3.88 | 4.53 | 25.74 | 25.19 | 25.51 | 27.03 | 24.83 | 24.15 |
| 3020.0 | 3.69 | 4.59 | 5.40 | 23.79 | 23.63 | 23.19 | 21.96 | 20.95 | 20.23 |
| 3040.0 | 4.59 | 5.75 | 6.79 | 20.84 | 18.83 | 17.06 | 18.43 | 17.26 | 16.10 |
| 3060.0 | 6.07 | 7.62 | 8.95 | 14.86 | 12.48 | 11.11 | 14.21 | 12.80 | 11.65 |
| 3080.0 | 8.42 | 10.47 | 12.06 | 9.48 | 7.91 | 7.16 | 9.80 | 8.65 | 7.93 |
| 3100.0 | 11.77 | 14.23 | 15.95 | 5.95 | 5.10 | 4.76 | 6.48 | 5.77 | 5.44 |
| 3120.0 | 15.88 | 18.55 | 20.25 | 3.82 | 3.43 | 3.31 | 4.27 | 3.95 | 3.86 |
| 3140.0 | 20.29 | 23.00 | 24.60 | 2.63 | 2.48 | 2.48 | 2.90 | 2.84 | 2.87 |
| 3150.0 | 22.51 | 25.19 | 26.73 | 2.22 | 2.15 | 2.18 | 2.44 | 2.47 | 2.54 |
| 3160.0 | 24.71 | 27.34 | 28.83 | 1.90 | 1.88 | 1.94 | 2.08 | 2.18 | 2.28 |
| 3180.0 | 29.00 | 31.53 | 32.91 | 1.46 | 1.51 | 1.59 | 1.51 | 1.71 | 1.85 |
| 3200.0 | 33.06 | 35.50 | 36.79 | 1.16 | 1.24 | 1.34 | 1.16 | 1.41 | 1.57 |
| 3400.0 | 61.21 | 62.23 | 62.90 | 0.35 | 0.49 | 0.62 | 0.17 | 0.52 | 0.74 |
| 3600.0 | 63.99 | 62.11 | 63.29 | 0.23 | 0.37 | 0.50 | 0.03 | 0.40 | 0.63 |
| 3800.0 | 57.62 | 59.77 | 58.32 | 0.19 | 0.34 | 0.48 | 0.02 | 0.36 | 0.60 |
| 4000.0 | 57.15 | 57.44 | 57.11 | 0.18 | 0.34 | 0.48 | 0.03 | 0.35 | 0.59 |
| 5000.0 | 48.15 | 48.66 | 48.81 | 0.24 | 0.40 | 0.52 | 0.01 | 0.39 | 0.61 |
| 6000.0 | 71.34 | 72.20 | 72.34 | 0.25 | 0.41 | 0.50 | 0.12 | 0.40 | 0.63 |
| 7000.0 | 42.66 | 42.32 | 42.03 | 0.39 | 0.62 | 0.81 | 0.04 | 0.61 | 0.98 |
| 7400.0 | 33.08 | 33.16 | 33.03 | 0.51 | 0.79 | 1.06 | 0.18 | 0.78 | 1.20 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|---------|
| | (nsec) | | |
| | @-55°C | @+25°C | @+100°C |
| 2600.0 | 3.97 | 3.89 | 3.84 |
| 2610.0 | 3.89 | 3.82 | 3.77 |
| 2620.0 | 3.82 | 3.75 | 3.71 |
| 2630.0 | 3.75 | 3.69 | 3.66 |
| 2640.0 | 3.70 | 3.65 | 3.62 |
| 2650.0 | 3.65 | 3.61 | 3.59 |
| 2660.0 | 3.62 | 3.59 | 3.57 |
| 2670.0 | 3.60 | 3.57 | 3.56 |
| 2680.0 | 3.58 | 3.56 | 3.55 |
| 2690.0 | 3.57 | 3.56 | 3.55 |
| 2700.0 | 3.57 | 3.55 | 3.54 |
| 2710.0 | 3.56 | 3.54 | 3.53 |
| 2720.0 | 3.55 | 3.52 | 3.51 |
| 2730.0 | 3.53 | 3.50 | 3.49 |
| 2740.0 | 3.51 | 3.49 | 3.48 |
| 2750.0 | 3.49 | 3.47 | 3.47 |
| 2755.0 | 3.49 | 3.47 | 3.46 |
| 2760.0 | 3.48 | 3.46 | 3.46 |
| 2765.0 | 3.47 | 3.46 | 3.46 |
| 2770.0 | 3.47 | 3.46 | 3.46 |
| 2775.0 | 3.46 | 3.46 | 3.47 |
| 2780.0 | 3.46 | 3.46 | 3.48 |
| 2785.0 | 3.46 | 3.47 | 3.48 |
| 2790.0 | 3.47 | 3.48 | 3.50 |
| 2795.0 | 3.48 | 3.49 | 3.51 |
| 2800.0 | 3.49 | 3.50 | 3.52 |
| 2805.0 | 3.50 | 3.52 | 3.53 |
| 2810.0 | 3.51 | 3.53 | 3.55 |
| 2815.0 | 3.52 | 3.54 | 3.56 |
| 2820.0 | 3.53 | 3.55 | 3.57 |
| 2825.0 | 3.55 | 3.57 | 3.58 |
| 2830.0 | 3.56 | 3.58 | 3.59 |
| 2835.0 | 3.58 | 3.59 | 3.60 |
| 2840.0 | 3.59 | 3.60 | 3.61 |
| 2845.0 | 3.60 | 3.61 | 3.62 |
| 2850.0 | 3.61 | 3.62 | 3.63 |
| 2855.0 | 3.62 | 3.63 | 3.63 |
| 2860.0 | 3.63 | 3.63 | 3.64 |
| 2865.0 | 3.64 | 3.64 | 3.65 |
| 2870.0 | 3.65 | 3.65 | 3.65 |
| 2875.0 | 3.65 | 3.65 | 3.66 |
| 2880.0 | 3.66 | 3.66 | 3.67 |
| 2885.0 | 3.67 | 3.67 | 3.68 |
| 2890.0 | 3.67 | 3.68 | 3.70 |
| 2895.0 | 3.68 | 3.70 | 3.71 |
| 2900.0 | 3.70 | 3.71 | 3.74 |
| 2905.0 | 3.71 | 3.73 | 3.76 |
| 2910.0 | 3.73 | 3.76 | 3.78 |
| 2915.0 | 3.75 | 3.78 | 3.81 |
| 2920.0 | 3.77 | 3.81 | 3.84 |
| 2925.0 | 3.79 | 3.84 | 3.87 |
| 2930.0 | 3.82 | 3.87 | 3.91 |
| 2935.0 | 3.85 | 3.91 | 3.95 |
| 2940.0 | 3.89 | 3.95 | 3.99 |
| 2945.0 | 3.93 | 3.99 | 4.04 |
| 2950.0 | 3.97 | 4.03 | 4.08 |
| 2955.0 | 4.01 | 4.08 | 4.13 |
| 2960.0 | 4.05 | 4.12 | 4.17 |
| 2965.0 | 4.09 | 4.17 | 4.22 |
| 2970.0 | 4.14 | 4.22 | 4.27 |
| 2975.0 | 4.19 | 4.27 | 4.32 |
| 2980.0 | 4.24 | 4.32 | 4.37 |
| 2985.0 | 4.29 | 4.37 | 4.43 |
| 2990.0 | 4.34 | 4.43 | 4.48 |
| 2995.0 | 4.40 | 4.49 | 4.54 |
| 3000.0 | 4.46 | 4.55 | 4.60 |