

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 |
| 0.50 | 107.90 | 95.89 | 102.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 94.43 | 100.12 | 109.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60 | 97.75 | 96.96 | 94.91 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 |
| 200 | 111.71 | 107.72 | 118.75 | 0.01 | 0.03 | 0.03 | 0.01 | 0.03 | 0.03 |
| 430 | 92.43 | 92.50 | 89.03 | 0.05 | 0.07 | 0.08 | 0.05 | 0.07 | 0.08 |
| 500 | 86.50 | 90.13 | 88.25 | 0.06 | 0.08 | 0.10 | 0.07 | 0.09 | 0.10 |
| 570 | 85.96 | 85.09 | 83.79 | 0.08 | 0.10 | 0.12 | 0.09 | 0.11 | 0.12 |
| 810 | 81.81 | 81.08 | 81.12 | 0.13 | 0.16 | 0.19 | 0.15 | 0.18 | 0.19 |
| 890 | 74.95 | 74.96 | 74.36 | 0.15 | 0.18 | 0.21 | 0.16 | 0.20 | 0.21 |
| 1050 | 70.75 | 70.74 | 70.62 | 0.19 | 0.21 | 0.24 | 0.20 | 0.23 | 0.24 |
| 1140 | 71.84 | 73.47 | 72.87 | 0.20 | 0.23 | 0.25 | 0.21 | 0.25 | 0.25 |
| 1170 | 67.20 | 67.53 | 67.19 | 0.21 | 0.23 | 0.26 | 0.21 | 0.25 | 0.26 |
| 1290 | 68.84 | 69.33 | 69.28 | 0.22 | 0.25 | 0.28 | 0.22 | 0.27 | 0.28 |
| 1450 | 64.30 | 63.88 | 63.52 | 0.24 | 0.28 | 0.32 | 0.23 | 0.29 | 0.32 |
| 1550 | 59.07 | 59.35 | 58.35 | 0.25 | 0.31 | 0.36 | 0.24 | 0.31 | 0.36 |
| 1590 | 52.86 | 52.51 | 52.07 | 0.26 | 0.32 | 0.39 | 0.24 | 0.32 | 0.39 |
| 1650 | 47.40 | 46.98 | 46.57 | 0.27 | 0.35 | 0.42 | 0.25 | 0.35 | 0.42 |
| 1710 | 41.13 | 40.74 | 40.31 | 0.29 | 0.39 | 0.48 | 0.27 | 0.38 | 0.48 |
| 1780 | 33.36 | 32.95 | 32.53 | 0.34 | 0.45 | 0.56 | 0.32 | 0.46 | 0.56 |
| 1800 | 30.99 | 30.59 | 30.18 | 0.36 | 0.48 | 0.60 | 0.34 | 0.48 | 0.60 |
| 1840 | 26.19 | 25.80 | 25.39 | 0.41 | 0.55 | 0.68 | 0.39 | 0.56 | 0.68 |
| 1880 | 21.18 | 20.80 | 20.40 | 0.51 | 0.67 | 0.82 | 0.49 | 0.68 | 0.82 |
| 1915 | 16.62 | 16.25 | 15.84 | 0.67 | 0.87 | 1.05 | 0.66 | 0.89 | 1.05 |
| 1945 | 12.61 | 12.25 | 11.85 | 0.96 | 1.22 | 1.46 | 0.96 | 1.25 | 1.46 |
| 1975 | 8.65 | 8.34 | 7.97 | 1.62 | 2.02 | 2.38 | 1.62 | 2.03 | 2.38 |
| 2010 | 4.60 | 4.44 | 4.22 | 3.56 | 4.29 | 4.99 | 3.56 | 4.31 | 4.99 |
| 2025 | 3.28 | 3.22 | 3.10 | 5.10 | 6.05 | 6.99 | 5.09 | 6.05 | 6.99 |
| 2045 | 2.05 | 2.12 | 2.12 | 8.05 | 9.39 | 10.75 | 8.04 | 9.37 | 10.75 |
| 2075 | 1.15 | 1.35 | 1.47 | 14.80 | 17.10 | 19.58 | 14.71 | 16.92 | 19.58 |
| 2140 | 0.77 | 1.00 | 1.17 | 36.75 | 31.27 | 28.66 | 37.65 | 31.66 | 28.66 |
| 2200 | 0.69 | 0.92 | 1.08 | 35.14 | 35.88 | 36.35 | 47.81 | 48.32 | 36.35 |
| 2260 | 0.67 | 0.90 | 1.07 | 22.98 | 22.11 | 21.13 | 23.08 | 22.16 | 21.13 |
| 2340 | 0.73 | 0.97 | 1.16 | 16.53 | 15.81 | 15.29 | 16.53 | 15.83 | 15.29 |
| 2400 | 0.77 | 1.01 | 1.20 | 14.84 | 14.34 | 14.04 | 14.83 | 14.34 | 14.04 |
| 2460 | 0.77 | 1.00 | 1.17 | 14.75 | 14.54 | 14.49 | 14.75 | 14.55 | 14.49 |
| 2535 | 0.69 | 0.92 | 1.08 | 17.48 | 18.02 | 18.63 | 17.46 | 17.95 | 18.63 |
| 2600 | 0.64 | 0.88 | 1.07 | 28.32 | 33.96 | 35.81 | 28.68 | 32.55 | 35.81 |
| 2655 | 0.71 | 1.01 | 1.26 | 20.18 | 18.00 | 16.43 | 20.47 | 18.08 | 16.43 |
| 2715 | 1.13 | 1.53 | 1.89 | 10.97 | 10.13 | 9.43 | 11.05 | 10.18 | 9.43 |
| 2745 | 1.53 | 2.00 | 2.41 | 8.32 | 7.78 | 7.29 | 8.38 | 7.83 | 7.29 |
| 2795 | 2.54 | 3.09 | 3.60 | 5.29 | 5.07 | 4.82 | 5.33 | 5.11 | 4.82 |
| 2830 | 3.48 | 4.06 | 4.62 | 3.89 | 3.81 | 3.66 | 3.92 | 3.84 | 3.66 |
| 2945 | 7.37 | 8.00 | 8.62 | 1.57 | 1.67 | 1.70 | 1.59 | 1.70 | 1.70 |
| 3055 | 11.40 | 12.08 | 12.71 | 0.81 | 0.93 | 1.00 | 0.83 | 0.96 | 1.00 |
| 3170 | 15.70 | 16.42 | 17.05 | 0.51 | 0.62 | 0.71 | 0.51 | 0.64 | 0.71 |
| 3270 | 19.35 | 20.11 | 20.73 | 0.41 | 0.52 | 0.60 | 0.40 | 0.52 | 0.60 |
| 3480 | 28.29 | 28.90 | 29.45 | 0.32 | 0.42 | 0.51 | 0.30 | 0.42 | 0.51 |
| 3510 | 29.42 | 30.15 | 30.68 | 0.30 | 0.40 | 0.50 | 0.29 | 0.42 | 0.50 |
| 3630 | 35.73 | 36.26 | 36.73 | 0.30 | 0.41 | 0.51 | 0.29 | 0.41 | 0.51 |
| 3680 | 39.21 | 40.05 | 39.94 | 0.29 | 0.39 | 0.50 | 0.29 | 0.41 | 0.50 |
| 3770 | 46.63 | 45.59 | 46.92 | 0.29 | 0.40 | 0.51 | 0.30 | 0.41 | 0.51 |
| 3810 | 50.39 | 50.97 | 51.44 | 0.28 | 0.39 | 0.50 | 0.29 | 0.40 | 0.50 |
| 3850 | 54.58 | 56.10 | 55.72 | 0.30 | 0.40 | 0.51 | 0.29 | 0.41 | 0.51 |
| 3880 | 61.99 | 64.51 | 67.09 | 0.29 | 0.40 | 0.51 | 0.30 | 0.41 | 0.51 |
| 3900 | 74.98 | 85.60 | 84.12 | 0.30 | 0.40 | 0.52 | 0.30 | 0.41 | 0.52 |
| 3920 | 69.28 | 68.63 | 69.05 | 0.30 | 0.41 | 0.52 | 0.30 | 0.41 | 0.52 |
| 3990 | 57.18 | 56.72 | 56.98 | 0.30 | 0.41 | 0.53 | 0.30 | 0.42 | 0.53 |
| 4070 | 55.58 | 54.95 | 55.23 | 0.31 | 0.42 | 0.53 | 0.30 | 0.43 | 0.53 |
| 4150 | 56.74 | 56.26 | 56.02 | 0.31 | 0.42 | 0.54 | 0.31 | 0.43 | 0.54 |
| 4200 | 58.80 | 58.74 | 59.07 | 0.32 | 0.43 | 0.55 | 0.31 | 0.44 | 0.55 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|--------|
| | (nsec) | | |
| | @-40°C | @+25°C | @+85°C |
| 2200 | 2.05 | 2.02 | 2.01 |
| 2205 | 2.03 | 2.00 | 1.99 |
| 2210 | 2.01 | 1.99 | 1.97 |
| 2215 | 1.99 | 1.97 | 1.95 |
| 2220 | 1.97 | 1.95 | 1.94 |
| 2225 | 1.96 | 1.94 | 1.92 |
| 2230 | 1.94 | 1.92 | 1.91 |
| 2235 | 1.92 | 1.91 | 1.89 |
| 2240 | 1.91 | 1.89 | 1.88 |
| 2245 | 1.89 | 1.88 | 1.86 |
| 2250 | 1.88 | 1.86 | 1.85 |
| 2255 | 1.86 | 1.85 | 1.83 |
| 2260 | 1.85 | 1.83 | 1.82 |
| 2265 | 1.84 | 1.82 | 1.81 |
| 2270 | 1.82 | 1.81 | 1.79 |
| 2275 | 1.81 | 1.79 | 1.78 |
| 2280 | 1.80 | 1.78 | 1.76 |
| 2290 | 1.77 | 1.75 | 1.74 |
| 2295 | 1.76 | 1.74 | 1.73 |
| 2300 | 1.75 | 1.73 | 1.71 |
| 2310 | 1.72 | 1.70 | 1.69 |
| 2315 | 1.71 | 1.69 | 1.68 |
| 2320 | 1.70 | 1.68 | 1.67 |
| 2330 | 1.68 | 1.67 | 1.65 |
| 2335 | 1.67 | 1.65 | 1.64 |
| 2340 | 1.66 | 1.64 | 1.63 |
| 2350 | 1.64 | 1.63 | 1.61 |
| 2355 | 1.63 | 1.62 | 1.60 |
| 2360 | 1.63 | 1.61 | 1.59 |
| 2370 | 1.61 | 1.59 | 1.58 |
| 2375 | 1.60 | 1.58 | 1.57 |
| 2380 | 1.59 | 1.58 | 1.57 |
| 2390 | 1.58 | 1.56 | 1.55 |
| 2395 | 1.57 | 1.55 | 1.54 |
| 2400 | 1.56 | 1.55 | 1.54 |
| 2410 | 1.55 | 1.53 | 1.53 |
| 2415 | 1.55 | 1.53 | 1.52 |
| 2420 | 1.54 | 1.52 | 1.52 |
| 2425 | 1.54 | 1.52 | 1.51 |
| 2430 | 1.53 | 1.52 | 1.51 |
| 2435 | 1.53 | 1.51 | 1.51 |
| 2440 | 1.52 | 1.51 | 1.50 |
| 2445 | 1.52 | 1.50 | 1.50 |
| 2450 | 1.51 | 1.50 | 1.50 |
| 2460 | 1.50 | 1.49 | 1.49 |
| 2470 | 1.50 | 1.49 | 1.49 |
| 2480 | 1.49 | 1.49 | 1.49 |
| 2490 | 1.49 | 1.48 | 1.49 |
| 2495 | 1.49 | 1.48 | 1.49 |
| 2500 | 1.49 | 1.48 | 1.49 |
| 2510 | 1.49 | 1.48 | 1.49 |
| 2520 | 1.49 | 1.48 | 1.49 |
| 2530 | 1.49 | 1.49 | 1.49 |
| 2540 | 1.49 | 1.49 | 1.50 |
| 2550 | 1.49 | 1.49 | 1.50 |
| 2560 | 1.49 | 1.50 | 1.51 |
| 2570 | 1.50 | 1.51 | 1.52 |
| 2580 | 1.50 | 1.51 | 1.52 |
| 2590 | 1.51 | 1.52 | 1.53 |
| 2600 | 1.52 | 1.53 | 1.54 |