

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 | 94.53 | 104.21 | 90.58 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| 5.0 | 91.19 | 98.67 | 106.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| 10.0 | 107.64 | 108.51 | 93.09 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| 15.0 | 92.70 | 102.70 | 95.54 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.02 |
| 20.0 | 91.90 | 88.99 | 95.52 | 0.01 | 0.02 | 0.01 | 0.02 | 0.02 | 0.01 |
| 25.0 | 93.55 | 88.27 | 91.39 | 0.01 | 0.02 | 0.01 | 0.02 | 0.02 | 0.01 |
| 30.0 | 93.13 | 89.75 | 90.04 | 0.02 | 0.03 | 0.02 | 0.03 | 0.04 | 0.03 |
| 35.0 | 92.79 | 99.24 | 97.27 | 0.02 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 40.0 | 87.51 | 91.36 | 93.65 | 0.04 | 0.06 | 0.05 | 0.05 | 0.06 | 0.06 |
| 45.0 | 77.20 | 78.84 | 76.38 | 0.09 | 0.11 | 0.12 | 0.13 | 0.14 | 0.16 |
| 50.0 | 44.78 | 43.92 | 43.37 | 0.31 | 0.37 | 0.41 | 0.52 | 0.60 | 0.67 |
| 51.0 | 36.15 | 35.24 | 34.61 | 0.46 | 0.55 | 0.61 | 0.81 | 0.93 | 1.06 |
| 52.0 | 26.45 | 25.46 | 24.80 | 0.77 | 0.91 | 1.04 | 1.43 | 1.67 | 1.90 |
| 53.0 | 15.63 | 14.70 | 14.15 | 1.77 | 2.15 | 2.48 | 3.18 | 3.79 | 4.35 |
| 54.0 | 6.41 | 6.14 | 6.09 | 6.93 | 8.29 | 9.32 | 9.56 | 11.03 | 12.18 |
| 55.0 | 3.27 | 3.44 | 3.62 | 30.20 | 26.88 | 24.39 | 19.60 | 19.87 | 19.85 |
| 56.0 | 2.68 | 2.86 | 3.04 | 15.58 | 15.75 | 15.95 | 16.14 | 16.35 | 16.54 |
| 57.0 | 2.35 | 2.52 | 2.68 | 17.99 | 19.40 | 20.51 | 17.58 | 18.56 | 19.20 |
| 58.0 | 2.12 | 2.31 | 2.47 | 31.18 | 28.76 | 27.18 | 23.99 | 23.45 | 22.82 |
| 59.0 | 2.05 | 2.23 | 2.40 | 18.88 | 18.79 | 18.85 | 18.92 | 18.92 | 19.07 |
| 60.0 | 2.00 | 2.17 | 2.33 | 18.09 | 18.86 | 19.44 | 19.04 | 20.14 | 21.19 |
| 61.0 | 1.98 | 2.15 | 2.32 | 22.10 | 22.54 | 22.41 | 29.88 | 36.91 | 42.90 |
| 62.0 | 2.01 | 2.20 | 2.38 | 19.85 | 19.19 | 18.71 | 23.09 | 21.59 | 20.66 |
| 63.0 | 2.10 | 2.30 | 2.48 | 16.63 | 16.68 | 16.76 | 17.32 | 17.22 | 17.18 |
| 64.0 | 2.21 | 2.41 | 2.60 | 16.86 | 17.49 | 18.00 | 17.46 | 18.15 | 18.75 |
| 65.0 | 2.37 | 2.62 | 2.84 | 18.81 | 19.45 | 19.86 | 23.68 | 26.83 | 30.86 |
| 66.0 | 2.86 | 3.21 | 3.54 | 15.91 | 15.52 | 15.23 | 18.33 | 16.90 | 15.89 |
| 67.0 | 4.38 | 4.99 | 5.50 | 9.21 | 8.74 | 8.48 | 8.44 | 7.76 | 7.33 |
| 68.0 | 7.78 | 8.63 | 9.28 | 4.62 | 4.46 | 4.39 | 3.77 | 3.54 | 3.42 |
| 69.0 | 12.45 | 13.34 | 14.00 | 2.52 | 2.51 | 2.54 | 1.90 | 1.87 | 1.86 |
| 70.0 | 17.22 | 18.05 | 18.63 | 1.60 | 1.65 | 1.68 | 1.17 | 1.18 | 1.21 |
| 71.0 | 21.58 | 22.32 | 22.86 | 1.14 | 1.20 | 1.24 | 0.83 | 0.86 | 0.89 |
| 72.0 | 25.49 | 26.12 | 26.57 | 0.88 | 0.93 | 0.98 | 0.64 | 0.67 | 0.71 |
| 73.0 | 28.93 | 29.50 | 29.91 | 0.71 | 0.75 | 0.79 | 0.53 | 0.57 | 0.60 |
| 74.0 | 32.04 | 32.56 | 32.92 | 0.59 | 0.64 | 0.67 | 0.45 | 0.48 | 0.51 |
| 75.0 | 34.82 | 35.25 | 35.62 | 0.51 | 0.56 | 0.59 | 0.39 | 0.41 | 0.44 |
| 100.0 | 64.69 | 65.63 | 64.84 | 0.12 | 0.15 | 0.16 | 0.11 | 0.13 | 0.15 |
| 150.0 | 78.67 | 80.02 | 77.52 | 0.07 | 0.11 | 0.11 | 0.07 | 0.10 | 0.11 |
| 200.0 | 82.80 | 82.91 | 82.30 | 0.06 | 0.11 | 0.12 | 0.07 | 0.10 | 0.12 |
| 300.0 | 83.27 | 84.22 | 89.88 | 0.09 | 0.14 | 0.15 | 0.09 | 0.11 | 0.13 |
| 305.0 | 85.13 | 82.47 | 85.90 | 0.09 | 0.13 | 0.15 | 0.09 | 0.12 | 0.14 |
| 350.0 | 81.88 | 75.59 | 78.88 | 0.11 | 0.15 | 0.17 | 0.10 | 0.13 | 0.15 |
| 400.0 | 75.12 | 75.59 | 74.79 | 0.11 | 0.16 | 0.18 | 0.10 | 0.14 | 0.16 |
| 450.0 | 72.89 | 73.72 | 73.77 | 0.13 | 0.18 | 0.19 | 0.12 | 0.15 | 0.17 |
| 500.0 | 70.35 | 71.19 | 71.37 | 0.13 | 0.19 | 0.20 | 0.13 | 0.16 | 0.19 |
| 550.0 | 69.16 | 69.44 | 70.41 | 0.15 | 0.20 | 0.21 | 0.14 | 0.17 | 0.20 |
| 600.0 | 68.57 | 68.45 | 68.80 | 0.15 | 0.21 | 0.23 | 0.15 | 0.19 | 0.22 |
| 650.0 | 68.36 | 67.70 | 68.62 | 0.16 | 0.22 | 0.23 | 0.16 | 0.19 | 0.22 |
| 700.0 | 68.36 | 67.18 | 68.46 | 0.15 | 0.22 | 0.23 | 0.16 | 0.20 | 0.23 |
| 750.0 | 68.30 | 68.43 | 68.68 | 0.17 | 0.23 | 0.25 | 0.17 | 0.22 | 0.25 |
| 800.0 | 58.62 | 64.00 | 57.53 | 0.18 | 0.23 | 0.26 | 0.17 | 0.22 | 0.26 |
| 850.0 | 64.93 | 64.45 | 64.34 | 0.18 | 0.24 | 0.26 | 0.17 | 0.22 | 0.26 |
| 900.0 | 66.77 | 66.36 | 66.42 | 0.19 | 0.25 | 0.28 | 0.20 | 0.25 | 0.29 |
| 950.0 | 67.02 | 65.14 | 66.79 | 0.19 | 0.26 | 0.29 | 0.19 | 0.27 | 0.31 |
| 1000.0 | 65.81 | 65.96 | 64.07 | 0.22 | 0.28 | 0.32 | 0.21 | 0.29 | 0.34 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|--------|
| | (nsec) | | |
| | @-40°C | @+25°C | @+85°C |
| 50.0 | 47.47 | 51.10 | 53.99 |
| 51.0 | 75.94 | 80.17 | 81.83 |
| 52.0 | 105.35 | 108.35 | 109.20 |
| 53.0 | 126.45 | 128.43 | 129.26 |
| 54.0 | 142.42 | 143.61 | 144.21 |
| 55.0 | 154.34 | 154.88 | 155.04 |
| 56.0 | 161.26 | 161.01 | 160.59 |
| 57.0 | 159.87 | 158.39 | 157.04 |
| 58.0 | 145.10 | 142.74 | 141.04 |
| 59.0 | 127.12 | 125.74 | 124.79 |
| 60.0 | 116.57 | 115.87 | 115.37 |
| 61.0 | 110.58 | 110.22 | 110.01 |
| 62.0 | 107.39 | 107.37 | 107.40 |
| 63.0 | 107.20 | 107.56 | 107.86 |
| 64.0 | 109.96 | 110.46 | 110.70 |
| 65.0 | 112.49 | 112.46 | 112.26 |
| 66.0 | 111.57 | 110.87 | 110.20 |
| 67.0 | 106.72 | 105.56 | 104.54 |
| 68.0 | 98.98 | 97.47 | 96.18 |
| 69.0 | 88.81 | 86.86 | 85.35 |
| 70.0 | 75.98 | 73.73 | 71.96 |