

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 | 0.08 | 0.10 | 0.10 | 44.73 | 41.30 | 43.22 | 42.93 | 40.24 | 42.85 |
| 100 | 0.08 | 0.12 | 0.14 | 38.64 | 35.80 | 33.63 | 37.56 | 35.26 | 33.25 |
| 200 | 0.10 | 0.16 | 0.18 | 31.21 | 31.16 | 30.66 | 30.80 | 30.67 | 30.17 |
| 250 | 0.11 | 0.18 | 0.20 | 29.28 | 29.91 | 30.08 | 29.03 | 29.39 | 29.42 |
| 300 | 0.12 | 0.19 | 0.22 | 27.96 | 28.83 | 29.49 | 27.92 | 28.36 | 28.63 |
| 350 | 0.12 | 0.20 | 0.24 | 27.45 | 28.11 | 29.02 | 27.14 | 27.43 | 27.83 |
| 400 | 0.13 | 0.21 | 0.25 | 27.11 | 27.46 | 28.27 | 26.46 | 26.59 | 26.98 |
| 500 | 0.14 | 0.23 | 0.28 | 25.80 | 26.14 | 26.67 | 24.88 | 25.22 | 25.71 |
| 550 | 0.14 | 0.24 | 0.29 | 25.02 | 25.52 | 26.02 | 24.27 | 24.78 | 25.32 |
| 600 | 0.14 | 0.25 | 0.30 | 24.49 | 25.11 | 25.65 | 23.80 | 24.40 | 24.94 |
| 650 | 0.15 | 0.26 | 0.31 | 24.03 | 24.77 | 25.26 | 23.41 | 24.05 | 24.54 |
| 700 | 0.15 | 0.27 | 0.32 | 23.71 | 24.52 | 24.98 | 23.12 | 23.72 | 24.06 |
| 750 | 0.15 | 0.27 | 0.33 | 23.46 | 24.26 | 24.67 | 22.88 | 23.39 | 23.60 |
| 800 | 0.16 | 0.28 | 0.34 | 23.25 | 24.00 | 24.30 | 22.58 | 23.03 | 23.12 |
| 850 | 0.16 | 0.29 | 0.35 | 22.99 | 23.70 | 23.96 | 22.22 | 22.66 | 22.71 |
| 1000 | 0.17 | 0.31 | 0.38 | 21.99 | 22.79 | 23.01 | 21.18 | 21.66 | 21.75 |
| 1200 | 0.18 | 0.33 | 0.41 | 20.80 | 21.38 | 21.68 | 20.18 | 20.39 | 20.55 |
| 1500 | 0.21 | 0.38 | 0.47 | 18.86 | 19.46 | 19.80 | 18.62 | 18.98 | 19.26 |
| 2000 | 0.27 | 0.47 | 0.58 | 16.68 | 17.17 | 17.38 | 16.93 | 17.28 | 17.53 |
| 2500 | 0.34 | 0.56 | 0.68 | 15.73 | 16.35 | 16.79 | 15.77 | 16.37 | 16.87 |
| 3000 | 0.36 | 0.60 | 0.75 | 17.43 | 18.20 | 18.91 | 17.27 | 18.06 | 18.88 |
| 3500 | 0.36 | 0.64 | 0.81 | 23.33 | 24.08 | 24.50 | 23.16 | 24.13 | 24.99 |
| 4000 | 0.50 | 0.82 | 1.02 | 18.43 | 18.25 | 17.90 | 19.48 | 19.27 | 19.00 |
| 5000 | 1.05 | 1.41 | 1.65 | 12.99 | 13.92 | 14.89 | 12.94 | 13.94 | 14.93 |
| 5100 | 1.06 | 1.44 | 1.69 | 14.02 | 15.28 | 16.57 | 13.94 | 15.32 | 16.65 |
| 5200 | 1.07 | 1.47 | 1.74 | 15.63 | 17.40 | 19.18 | 15.52 | 17.53 | 19.56 |
| 5300 | 1.10 | 1.53 | 1.83 | 18.16 | 20.63 | 22.49 | 18.24 | 21.62 | 25.42 |
| 5400 | 1.16 | 1.64 | 1.97 | 21.66 | 23.40 | 22.72 | 23.75 | 32.46 | 41.50 |
| 5500 | 1.27 | 1.80 | 2.18 | 22.87 | 20.81 | 18.88 | 45.12 | 27.55 | 23.51 |
| 5700 | 1.68 | 2.32 | 2.78 | 15.46 | 14.27 | 13.67 | 17.80 | 16.37 | 16.08 |
| 5750 | 1.82 | 2.49 | 2.96 | 14.42 | 13.56 | 13.16 | 16.28 | 15.52 | 15.67 |
| 5800 | 1.96 | 2.66 | 3.17 | 13.53 | 13.00 | 12.79 | 15.41 | 15.26 | 15.90 |
| 5890 | 2.25 | 3.03 | 3.63 | 12.74 | 12.68 | 12.59 | 14.90 | 16.19 | 18.43 |
| 6000 | 2.72 | 3.75 | 4.65 | 12.73 | 12.22 | 11.12 | 17.96 | 25.91 | 30.76 |
| 6470 | 16.82 | 20.60 | 23.20 | 1.62 | 1.71 | 1.83 | 2.44 | 2.55 | 2.70 |
| 6600 | 23.64 | 27.66 | 30.47 | 1.05 | 1.28 | 1.47 | 1.57 | 1.91 | 2.15 |
| 6650 | 26.39 | 30.56 | 33.53 | 0.92 | 1.18 | 1.38 | 1.37 | 1.75 | 2.01 |
| 7000 | 50.16 | 49.54 | 48.67 | 0.47 | 0.77 | 0.99 | 0.69 | 1.14 | 1.43 |
| 7200 | 46.99 | 47.15 | 47.61 | 0.34 | 0.63 | 0.86 | 0.52 | 0.97 | 1.26 |
| 7500 | 48.65 | 50.23 | 51.45 | 0.25 | 0.51 | 0.73 | 0.37 | 0.80 | 1.09 |
| 7600 | 50.30 | 52.47 | 53.87 | 0.23 | 0.49 | 0.69 | 0.31 | 0.73 | 1.02 |
| 8000 | 58.66 | 58.60 | 57.42 | 0.14 | 0.38 | 0.58 | 0.26 | 0.67 | 0.94 |
| 8300 | 55.89 | 55.02 | 54.70 | 0.11 | 0.36 | 0.56 | 0.23 | 0.64 | 0.90 |
| 8400 | 54.31 | 54.42 | 53.63 | 0.09 | 0.35 | 0.55 | 0.21 | 0.62 | 0.89 |
| 8500 | 53.25 | 53.40 | 52.80 | 0.10 | 0.36 | 0.55 | 0.22 | 0.62 | 0.90 |
| 9000 | 50.59 | 51.40 | 50.51 | 0.11 | 0.41 | 0.61 | 0.18 | 0.61 | 0.89 |
| 9500 | 51.99 | 52.20 | 52.44 | 0.13 | 0.46 | 0.66 | 0.11 | 0.57 | 0.88 |
| 9600 | 52.30 | 52.58 | 53.44 | 0.13 | 0.47 | 0.67 | 0.10 | 0.56 | 0.88 |
| 9800 | 53.85 | 54.63 | 54.64 | 0.14 | 0.49 | 0.71 | 0.06 | 0.55 | 0.86 |
| 11000 | 54.35 | 55.84 | 55.96 | 0.14 | 0.54 | 0.77 | 0.17 | 0.39 | 0.75 |
| 13000 | 44.40 | 45.84 | 44.36 | 0.22 | 0.32 | 0.66 | 0.32 | 0.19 | 0.56 |
| 14000 | 41.91 | 42.51 | 42.44 | 0.22 | 0.18 | 0.48 | 0.29 | 0.22 | 0.56 |
| 15000 | 38.18 | 38.42 | 39.13 | 0.14 | 0.19 | 0.41 | 0.32 | 0.27 | 0.66 |
| 15400 | 38.12 | 38.39 | 38.86 | 0.11 | 0.23 | 0.43 | 0.29 | 0.33 | 0.74 |
| 15700 | 36.37 | 37.14 | 37.97 | 0.12 | 0.27 | 0.52 | 0.24 | 0.38 | 0.79 |
| 16000 | 36.50 | 37.25 | 37.65 | 0.14 | 0.29 | 0.58 | 0.25 | 0.39 | 0.88 |
| 17000 | 35.64 | 36.17 | 36.77 | 0.06 | 0.56 | 0.89 | 0.18 | 0.50 | 0.97 |
| 18000 | 37.16 | 35.12 | 31.12 | 0.14 | 0.64 | 1.06 | 0.14 | 0.94 | 1.94 |
| 20000 | 28.21 | 29.10 | 29.42 | 0.42 | 0.32 | 0.73 | 0.73 | 0.03 | 0.66 |
| 26500 | 24.04 | 25.49 | 26.54 | 0.43 | 1.27 | 1.77 | 0.46 | 0.81 | 0.83 |

Typical Performance Data

| FREQ. (MHz) | GROUP DELAY | | |
|--------------------|-------------|--------|---------|
| | (nsec) | | |
| | @-55°C | @+25°C | @+100°C |
| 10 | 0.09 | 0.10 | 0.17 |
| 50 | 0.10 | 0.11 | 0.14 |
| 100 | 0.11 | 0.11 | 0.14 |
| 150 | 0.11 | 0.11 | 0.13 |
| 200 | 0.11 | 0.11 | 0.13 |
| 250 | 0.11 | 0.11 | 0.12 |
| 300 | 0.11 | 0.11 | 0.12 |
| 350 | 0.11 | 0.11 | 0.12 |
| 400 | 0.11 | 0.11 | 0.11 |
| 450 | 0.11 | 0.11 | 0.11 |
| 500 | 0.11 | 0.11 | 0.11 |
| 550 | 0.11 | 0.11 | 0.11 |
| 600 | 0.11 | 0.11 | 0.11 |
| 650 | 0.11 | 0.11 | 0.11 |
| 700 | 0.11 | 0.11 | 0.11 |
| 750 | 0.11 | 0.11 | 0.11 |
| 1000 | 0.11 | 0.11 | 0.11 |
| 1150 | 0.12 | 0.11 | 0.11 |
| 1300 | 0.12 | 0.11 | 0.11 |
| 1450 | 0.12 | 0.12 | 0.11 |
| 1600 | 0.12 | 0.12 | 0.12 |
| 1750 | 0.12 | 0.12 | 0.12 |
| 2000 | 0.12 | 0.12 | 0.12 |
| 2150 | 0.12 | 0.12 | 0.12 |
| 2300 | 0.13 | 0.12 | 0.12 |
| 2450 | 0.13 | 0.13 | 0.13 |
| 2600 | 0.13 | 0.13 | 0.13 |
| 2750 | 0.13 | 0.13 | 0.13 |
| 2900 | 0.14 | 0.14 | 0.14 |
| 3000 | 0.14 | 0.14 | 0.14 |
| 3200 | 0.15 | 0.15 | 0.15 |
| 3350 | 0.15 | 0.15 | 0.15 |
| 3500 | 0.16 | 0.16 | 0.16 |
| 3650 | 0.17 | 0.17 | 0.16 |
| 3800 | 0.17 | 0.17 | 0.17 |
| 3950 | 0.18 | 0.18 | 0.18 |
| 4100 | 0.18 | 0.18 | 0.18 |
| 4250 | 0.19 | 0.19 | 0.19 |
| 4400 | 0.20 | 0.20 | 0.20 |
| 4500 | 0.20 | 0.21 | 0.21 |
| 5000 | 0.24 | 0.25 | 0.25 |