

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS | | | INPUT RETURN LOSS | | | OUTPUT RETURN LOSS | | |
|--------------------|----------------|--------|---------|-------------------|--------|---------|--------------------|--------|---------|
| | (dB) | | | (dB) | | | (dB) | | |
| | @-55°C | @+25°C | @+125°C | @-55°C | @+25°C | @+125°C | @-55°C | @+25°C | @+125°C |
| 10 | 0.06 | 0.04 | 0.03 | 43.92 | 45.73 | 46.24 | 41.41 | 43.17 | 43.71 |
| 100 | 0.07 | 0.04 | 0.03 | 37.79 | 36.72 | 35.39 | 40.02 | 38.97 | 37.14 |
| 200 | 0.07 | 0.03 | 0.02 | 32.23 | 31.56 | 30.67 | 35.10 | 33.95 | 32.82 |
| 250 | 0.07 | 0.03 | 0.01 | 30.30 | 29.77 | 29.26 | 33.31 | 32.34 | 31.49 |
| 300 | 0.07 | 0.03 | 0.00 | 28.91 | 28.74 | 28.34 | 31.73 | 31.14 | 30.62 |
| 350 | 0.07 | 0.03 | 0.00 | 27.51 | 27.51 | 27.49 | 30.39 | 30.08 | 30.06 |
| 400 | 0.07 | 0.02 | 0.00 | 26.40 | 26.61 | 26.67 | 29.49 | 29.32 | 29.32 |
| 500 | 0.07 | 0.02 | 0.01 | 24.85 | 25.29 | 25.65 | 27.91 | 28.10 | 28.67 |
| 550 | 0.07 | 0.02 | 0.02 | 24.37 | 24.81 | 25.09 | 27.48 | 27.78 | 28.10 |
| 600 | 0.06 | 0.01 | 0.02 | 23.96 | 24.41 | 24.72 | 27.08 | 27.40 | 27.77 |
| 800 | 0.06 | 0.00 | 0.03 | 22.81 | 23.20 | 23.57 | 25.90 | 26.29 | 26.61 |
| 1000 | 0.05 | 0.01 | 0.04 | 22.54 | 22.93 | 23.41 | 25.21 | 25.55 | 26.12 |
| 5000 | 0.05 | 0.05 | 0.15 | 28.08 | 28.11 | 28.51 | 27.79 | 27.83 | 27.82 |
| 8000 | 0.12 | 0.01 | 0.13 | 29.61 | 30.19 | 29.71 | 32.23 | 32.64 | 32.70 |
| 10000 | 0.00 | 0.16 | 0.32 | 19.64 | 19.51 | 19.07 | 19.49 | 19.31 | 18.80 |
| 12000 | 0.02 | 0.20 | 0.36 | 17.06 | 17.48 | 18.48 | 17.49 | 17.91 | 19.07 |
| 14000 | 0.05 | 0.16 | 0.40 | 20.96 | 19.89 | 18.39 | 20.60 | 19.56 | 17.92 |
| 16000 | 0.09 | 0.13 | 0.36 | 19.46 | 19.83 | 21.75 | 19.30 | 19.64 | 21.59 |
| 17000 | 0.07 | 0.16 | 0.42 | 28.16 | 31.26 | 39.21 | 27.43 | 29.83 | 37.20 |
| 19000 | 0.06 | 0.32 | 0.61 | 19.46 | 19.47 | 20.00 | 19.37 | 19.33 | 19.87 |
| 20000 | 0.10 | 0.37 | 0.64 | 18.74 | 19.10 | 23.83 | 19.04 | 19.39 | 24.13 |
| 21000 | 0.08 | 0.36 | 0.70 | 22.25 | 22.66 | 21.95 | 23.07 | 23.64 | 22.54 |
| 25000 | 0.23 | 0.56 | 0.95 | 20.26 | 21.44 | 23.54 | 21.23 | 22.58 | 23.41 |
| 25500 | 0.25 | 0.59 | 1.01 | 21.40 | 22.37 | 21.71 | 22.82 | 24.16 | 22.43 |
| 27500 | 0.36 | 0.75 | 1.27 | 20.43 | 20.08 | 17.39 | 27.08 | 25.96 | 21.00 |
| 28000 | 0.43 | 0.84 | 1.38 | 18.36 | 18.07 | 15.72 | 21.41 | 20.69 | 17.24 |
| 28500 | 0.49 | 0.90 | 1.42 | 17.78 | 18.19 | 17.53 | 19.35 | 19.74 | 18.63 |
| 29000 | 0.51 | 0.93 | 1.45 | 20.78 | 21.93 | 24.07 | 22.23 | 23.92 | 28.10 |
| 30000 | 0.59 | 1.08 | 1.70 | 33.31 | 31.29 | 31.78 | 25.17 | 23.43 | 20.61 |
| 30500 | 0.82 | 1.38 | 2.14 | 19.89 | 17.76 | 15.30 | 17.25 | 15.95 | 13.86 |
| 31500 | 1.92 | 2.55 | 3.43 | 9.09 | 9.60 | 9.80 | 9.20 | 9.57 | 9.89 |
| 31800 | 2.12 | 2.76 | 3.67 | 8.81 | 9.66 | 10.53 | 9.18 | 9.90 | 11.03 |
| 32000 | 2.18 | 2.87 | 3.86 | 9.11 | 10.15 | 11.42 | 9.85 | 10.80 | 12.33 |
| 32500 | 2.39 | 3.40 | 4.95 | 11.99 | 12.98 | 14.04 | 12.74 | 12.97 | 12.69 |
| 33000 | 3.66 | 5.40 | 8.14 | 12.61 | 11.14 | 9.37 | 10.52 | 9.15 | 7.59 |
| 33500 | 7.27 | 9.88 | 13.68 | 6.86 | 6.28 | 5.61 | 5.80 | 5.27 | 4.82 |
| 34000 | 12.76 | 15.80 | 20.03 | 4.13 | 4.41 | 4.52 | 3.76 | 3.89 | 4.16 |
| 34500 | 18.54 | 22.04 | 26.31 | 3.66 | 4.17 | 4.73 | 3.47 | 3.91 | 4.59 |
| 35000 | 24.76 | 27.57 | 28.23 | 4.09 | 4.63 | 5.39 | 3.95 | 4.52 | 5.38 |
| 35500 | 27.60 | 26.98 | 26.48 | 4.23 | 4.70 | 5.27 | 4.25 | 4.67 | 5.21 |
| 36000 | 26.22 | 26.12 | 26.69 | 3.72 | 4.18 | 4.43 | 3.79 | 4.04 | 4.29 |
| 36500 | 26.26 | 26.72 | 27.83 | 3.14 | 3.58 | 3.77 | 3.16 | 3.41 | 3.61 |
| 37000 | 26.95 | 27.79 | 29.13 | 2.94 | 3.33 | 3.60 | 2.76 | 3.08 | 3.42 |
| 37500 | 27.65 | 28.67 | 29.97 | 2.93 | 3.37 | 3.84 | 2.66 | 3.07 | 3.60 |
| 38000 | 28.52 | 29.61 | 30.79 | 3.05 | 3.56 | 4.30 | 2.79 | 3.28 | 4.06 |
| 38500 | 29.72 | 30.82 | 32.20 | 2.89 | 3.49 | 4.34 | 2.97 | 3.47 | 4.39 |
| 39000 | 31.52 | 32.80 | 34.35 | 2.60 | 3.20 | 3.90 | 3.03 | 3.47 | 4.22 |
| 39500 | 33.65 | 35.01 | 36.94 | 2.54 | 3.08 | 3.53 | 2.97 | 3.34 | 3.80 |
| 40000 | 35.60 | 37.26 | 39.93 | 2.67 | 3.11 | 3.40 | 2.88 | 3.23 | 3.50 |
| 41000 | 40.96 | 43.31 | 46.93 | 3.27 | 3.75 | 4.11 | 3.01 | 3.42 | 3.84 |
| 42500 | 61.88 | 68.01 | 59.05 | 2.58 | 3.18 | 3.98 | 2.72 | 3.13 | 4.01 |
| 43000 | 59.80 | 55.99 | 52.22 | 2.48 | 2.95 | 3.66 | 2.57 | 2.97 | 3.72 |
| 43500 | 53.71 | 52.35 | 49.22 | 2.61 | 3.04 | 3.73 | 2.61 | 3.01 | 3.64 |
| 44000 | 48.97 | 48.36 | 48.36 | 2.88 | 3.39 | 4.03 | 2.81 | 3.26 | 3.78 |
| 44500 | 47.03 | 46.88 | 47.27 | 3.09 | 3.77 | 4.25 | 3.09 | 3.57 | 4.01 |
| 45000 | 46.38 | 46.34 | 47.11 | 3.27 | 4.10 | 4.41 | 3.38 | 3.85 | 4.22 |
| 47000 | 46.37 | 47.46 | 48.12 | 2.88 | 3.38 | 4.40 | 2.83 | 3.28 | 4.21 |
| 47500 | 48.04 | 49.43 | 50.54 | 2.89 | 3.63 | 4.77 | 2.96 | 3.51 | 4.53 |
| 48000 | 51.30 | 54.41 | 58.87 | 3.10 | 4.05 | 4.99 | 3.14 | 3.76 | 4.66 |
| 50000 | 40.72 | 39.76 | 38.69 | 3.25 | 3.69 | 4.10 | 3.47 | 3.90 | 4.42 |