

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 | 0.00 | 0.01 | 0.01 | 43.54 | 42.56 | 42.03 | 46.24 | 45.11 | 45.10 |
| 100 | 0.00 | 0.02 | 0.03 | 36.74 | 35.35 | 34.22 | 37.72 | 36.04 | 34.57 |
| 200 | 0.00 | 0.02 | 0.04 | 32.12 | 31.37 | 30.63 | 32.58 | 31.60 | 30.96 |
| 250 | 0.01 | 0.02 | 0.04 | 30.61 | 30.06 | 29.75 | 30.96 | 30.33 | 29.99 |
| 300 | 0.01 | 0.02 | 0.04 | 29.52 | 29.20 | 28.86 | 29.66 | 29.26 | 29.08 |
| 350 | 0.01 | 0.02 | 0.05 | 28.28 | 28.17 | 28.20 | 28.32 | 28.23 | 28.53 |
| 400 | 0.01 | 0.02 | 0.05 | 27.27 | 27.41 | 27.51 | 27.35 | 27.47 | 27.83 |
| 500 | 0.02 | 0.02 | 0.05 | 26.18 | 26.42 | 26.73 | 26.14 | 26.35 | 26.96 |
| 550 | 0.02 | 0.02 | 0.05 | 25.69 | 25.97 | 26.32 | 25.55 | 25.87 | 26.37 |
| 600 | 0.02 | 0.02 | 0.05 | 25.45 | 25.69 | 25.93 | 25.29 | 25.51 | 25.91 |
| 800 | 0.02 | 0.03 | 0.06 | 24.43 | 24.74 | 25.00 | 24.25 | 24.52 | 24.87 |
| 1000 | 0.02 | 0.04 | 0.06 | 23.83 | 24.26 | 24.57 | 23.58 | 23.94 | 24.44 |
| 5000 | 0.05 | 0.07 | 0.20 | 40.88 | 38.21 | 38.86 | 51.90 | 48.32 | 51.76 |
| 8000 | 0.11 | 0.04 | 0.19 | 29.16 | 29.17 | 28.78 | 32.64 | 31.55 | 31.32 |
| 10000 | 0.02 | 0.19 | 0.40 | 22.15 | 21.80 | 21.68 | 19.81 | 19.50 | 19.29 |
| 12000 | 0.02 | 0.21 | 0.45 | 19.95 | 20.83 | 21.94 | 21.25 | 22.26 | 23.49 |
| 14000 | 0.06 | 0.17 | 0.45 | 27.46 | 24.94 | 23.14 | 24.85 | 22.91 | 21.66 |
| 16000 | 0.10 | 0.16 | 0.45 | 20.23 | 20.76 | 21.97 | 20.93 | 21.21 | 22.44 |
| 17000 | 0.07 | 0.19 | 0.51 | 29.82 | 32.82 | 43.56 | 28.88 | 31.67 | 42.66 |
| 18000 | 0.01 | 0.27 | 0.62 | 37.49 | 33.43 | 25.96 | 32.24 | 30.65 | 25.92 |
| 20000 | 0.05 | 0.36 | 0.70 | 21.16 | 21.61 | 27.00 | 21.48 | 21.60 | 27.31 |
| 21000 | 0.05 | 0.38 | 0.77 | 22.44 | 23.10 | 21.52 | 24.84 | 25.64 | 24.00 |
| 25000 | 0.25 | 0.65 | 1.13 | 19.38 | 20.29 | 20.81 | 21.44 | 22.18 | 21.59 |
| 25500 | 0.29 | 0.71 | 1.21 | 19.66 | 20.31 | 19.85 | 20.36 | 21.23 | 19.87 |
| 27500 | 0.53 | 1.05 | 1.74 | 21.18 | 19.85 | 16.40 | 20.54 | 19.57 | 16.49 |
| 28000 | 0.70 | 1.26 | 1.99 | 17.65 | 17.64 | 15.83 | 18.03 | 18.24 | 16.88 |
| 28500 | 0.90 | 1.51 | 2.29 | 17.75 | 18.10 | 18.52 | 19.43 | 20.30 | 21.57 |
| 29500 | 1.99 | 3.09 | 4.68 | 13.46 | 12.10 | 10.97 | 12.23 | 10.90 | 9.30 |
| 30000 | 3.83 | 5.44 | 7.80 | 8.17 | 7.40 | 6.54 | 7.02 | 6.44 | 5.72 |
| 31000 | 10.49 | 12.67 | 15.80 | 3.94 | 4.49 | 5.22 | 4.05 | 4.52 | 5.23 |
| 31500 | 14.40 | 17.21 | 21.18 | 4.29 | 5.03 | 6.06 | 4.56 | 5.20 | 6.00 |
| 31800 | 17.44 | 20.85 | 25.34 | 4.74 | 5.35 | 6.14 | 4.81 | 5.36 | 5.81 |
| 32000 | 20.06 | 23.83 | 28.08 | 4.85 | 5.27 | 5.82 | 4.71 | 5.14 | 5.36 |
| 32500 | 28.16 | 30.10 | 30.27 | 3.95 | 4.17 | 4.42 | 3.70 | 4.00 | 4.08 |
| 33000 | 30.39 | 29.92 | 29.80 | 2.96 | 3.31 | 3.65 | 2.83 | 3.15 | 3.42 |
| 33500 | 29.46 | 29.48 | 29.92 | 2.45 | 2.95 | 3.41 | 2.50 | 2.88 | 3.35 |
| 34000 | 28.83 | 29.33 | 30.11 | 2.56 | 3.09 | 3.73 | 2.57 | 3.04 | 3.71 |
| 34500 | 28.57 | 29.38 | 30.49 | 2.91 | 3.43 | 4.21 | 2.99 | 3.56 | 4.31 |
| 35000 | 28.81 | 29.97 | 31.59 | 3.17 | 3.65 | 4.40 | 3.56 | 4.16 | 4.79 |
| 35500 | 30.43 | 31.87 | 34.05 | 2.90 | 3.37 | 3.95 | 3.60 | 4.09 | 4.50 |
| 36000 | 33.45 | 35.16 | 37.82 | 2.57 | 3.07 | 3.48 | 3.16 | 3.57 | 3.88 |
| 36500 | 36.88 | 38.89 | 41.98 | 2.54 | 3.01 | 3.38 | 2.73 | 3.16 | 3.49 |
| 37000 | 40.84 | 43.63 | 47.63 | 2.66 | 3.07 | 3.55 | 2.54 | 3.02 | 3.45 |
| 37500 | 45.25 | 48.79 | 54.24 | 2.73 | 3.17 | 3.88 | 2.56 | 3.09 | 3.66 |
| 38000 | 51.28 | 54.60 | 53.03 | 2.70 | 3.24 | 4.13 | 2.76 | 3.33 | 4.10 |
| 38500 | 52.00 | 50.56 | 48.54 | 2.39 | 2.98 | 3.87 | 2.94 | 3.52 | 4.39 |
| 39000 | 47.59 | 46.63 | 45.64 | 2.07 | 2.68 | 3.38 | 3.05 | 3.57 | 4.32 |
| 39500 | 44.64 | 44.20 | 44.19 | 2.11 | 2.64 | 3.15 | 3.01 | 3.48 | 3.99 |
| 40000 | 42.95 | 43.07 | 43.39 | 2.33 | 2.78 | 3.17 | 2.89 | 3.36 | 3.72 |
| 42000 | 40.99 | 41.42 | 41.91 | 2.44 | 3.15 | 4.04 | 2.86 | 3.47 | 4.30 |
| 42500 | 41.54 | 42.08 | 42.56 | 2.18 | 2.78 | 3.63 | 2.75 | 3.33 | 4.20 |
| 43000 | 42.15 | 42.96 | 43.46 | 2.09 | 2.56 | 3.35 | 2.72 | 3.26 | 4.06 |
| 43500 | 42.57 | 43.50 | 44.54 | 2.19 | 2.62 | 3.38 | 2.76 | 3.29 | 4.01 |
| 44000 | 43.20 | 44.48 | 46.18 | 2.48 | 2.99 | 3.71 | 2.93 | 3.48 | 4.11 |
| 44500 | 44.72 | 46.22 | 48.31 | 2.64 | 3.29 | 3.89 | 3.06 | 3.63 | 4.18 |
| 45000 | 46.40 | 47.73 | 49.12 | 2.89 | 3.70 | 4.16 | 3.28 | 3.86 | 4.34 |
| 45100 | 46.77 | 47.99 | 49.29 | 2.86 | 3.63 | 4.06 | 3.23 | 3.80 | 4.27 |
| 45200 | 47.31 | 48.25 | 49.15 | 3.00 | 3.81 | 4.19 | 3.29 | 3.87 | 4.36 |
| 45300 | 47.73 | 48.47 | 48.96 | 2.84 | 3.59 | 3.99 | 3.17 | 3.76 | 4.26 |
| 46000 | 48.29 | 47.10 | 45.38 | 2.84 | 3.34 | 3.88 | 3.11 | 3.67 | 4.31 |