

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION LOSS<br>(dB) | RETURN LOSS<br>(dB) | AMPLITUDE UNBAL<br>(dB) | PHASE UNBAL <sup>(1)</sup><br>(Deg) |
|--------------------|------------------------|---------------------|-------------------------|-------------------------------------|
| 500                | 47.45                  | 0.01                | 5.69                    | 156.12                              |
| 600                | 45.76                  | 0.01                | 5.85                    | 159.31                              |
| 800                | 43.17                  | 0.02                | 6.08                    | 163.27                              |
| 1000               | 41.01                  | 0.04                | 6.31                    | 165.18                              |
| 1200               | 39.15                  | 0.06                | 6.45                    | 166.29                              |
| 1400               | 37.69                  | 0.10                | 6.56                    | 167.07                              |
| 1600               | 36.98                  | 0.16                | 6.27                    | 167.99                              |
| 1800               | 38.94                  | 0.25                | 4.45                    | 173.13                              |
| 2000               | 36.33                  | 0.45                | 3.63                    | 156.15                              |
| 2200               | 13.08                  | 1.64                | 2.62                    | 23.18                               |
| 2300               | 4.45                   | 7.09                | 0.24                    | 8.92                                |
| 2400               | 2.05                   | 24.38               | 0.38                    | 2.83                                |
| 2420               | 1.96                   | 25.96               | 0.39                    | 2.04                                |
| 2440               | 1.90                   | 27.59               | 0.40                    | 1.43                                |
| 2460               | 1.86                   | 29.10               | 0.38                    | 1.03                                |
| 2480               | 1.84                   | 26.99               | 0.35                    | 0.64                                |
| 2500               | 1.83                   | 22.94               | 0.32                    | 0.50                                |
| 2600               | 2.08                   | 12.67               | 0.18                    | 0.40                                |
| 2800               | 6.07                   | 3.08                | 0.96                    | 0.22                                |
| 3000               | 16.99                  | 0.64                | 13.14                   | 31.29                               |
| 3200               | 25.59                  | 0.40                | 10.18                   | 172.09                              |
| 3400               | 31.77                  | 0.35                | 4.96                    | 174.56                              |
| 3600               | 36.23                  | 0.36                | 3.08                    | 176.83                              |
| 4000               | 41.43                  | 0.38                | 1.79                    | 178.90                              |
| 4100               | 42.15                  | 0.38                | 1.69                    | 179.20                              |
| 4200               | 42.71                  | 0.38                | 1.58                    | 179.40                              |
| 4300               | 43.20                  | 0.38                | 1.51                    | 179.55                              |
| 4400               | 43.63                  | 0.38                | 1.44                    | 179.90                              |
| 4500               | 43.93                  | 0.38                | 1.41                    | 179.88                              |
| 4600               | 44.24                  | 0.38                | 1.39                    | 179.63                              |
| 4700               | 44.65                  | 0.38                | 1.38                    | 179.57                              |
| 4800               | 45.05                  | 0.37                | 1.36                    | 179.32                              |
| 4900               | 45.38                  | 0.37                | 1.36                    | 179.13                              |
| 5000               | 45.90                  | 0.36                | 1.35                    | 178.90                              |
| 5100               | 46.35                  | 0.36                | 1.39                    | 178.89                              |
| 5200               | 47.00                  | 0.35                | 1.42                    | 178.48                              |
| 5300               | 47.52                  | 0.37                | 1.50                    | 178.14                              |
| 5400               | 48.31                  | 0.40                | 1.62                    | 177.26                              |
| 5500               | 49.21                  | 0.49                | 1.85                    | 174.16                              |
| 5600               | 50.07                  | 0.73                | 1.05                    | 167.81                              |
| 5700               | 50.92                  | 1.31                | 0.11                    | 172.66                              |
| 5800               | 58.23                  | 1.20                | 0.09                    | 176.80                              |
| 5900               | 60.87                  | 0.85                | 0.25                    | 177.26                              |
| 6000               | 49.51                  | 0.75                | 1.14                    | 179.71                              |
| 6100               | 43.32                  | 0.88                | 1.12                    | 177.78                              |
| 6200               | 38.23                  | 1.43                | 1.01                    | 176.69                              |
| 6300               | 33.60                  | 3.14                | 0.94                    | 176.26                              |
| 6400               | 32.18                  | 3.92                | 0.88                    | 175.90                              |
| 6500               | 34.41                  | 2.18                | 0.82                    | 175.58                              |
| 6600               | 37.35                  | 1.43                | 0.78                    | 175.42                              |
| 6700               | 40.18                  | 1.18                | 0.74                    | 175.13                              |
| 6800               | 43.11                  | 1.12                | 0.72                    | 174.87                              |
| 6900               | 46.39                  | 1.21                | 0.74                    | 174.20                              |
| 7000               | 48.74                  | 1.45                | 0.56                    | 172.88                              |
| 7100               | 45.64                  | 1.89                | 0.30                    | 173.88                              |
| 7200               | 41.18                  | 2.70                | 0.24                    | 174.36                              |
| 7300               | 37.22                  | 4.18                | 0.21                    | 174.46                              |
| 7400               | 34.26                  | 6.86                | 0.19                    | 174.58                              |
| 7500               | 32.30                  | 10.33               | 0.14                    | 174.80                              |
| 7600               | 31.54                  | 9.74                | 0.10                    | 174.92                              |
| 7700               | 31.50                  | 6.92                | 0.05                    | 175.01                              |
| 7800               | 31.84                  | 5.08                | 0.00                    | 175.01                              |
| 7900               | 32.54                  | 4.06                | 0.06                    | 175.10                              |
| 8000               | 33.05                  | 3.49                | 0.12                    | 175.19                              |
| 8100               | 33.54                  | 3.17                | 0.17                    | 175.35                              |
| 8200               | 34.23                  | 3.02                | 0.24                    | 175.46                              |
| 8300               | 34.52                  | 2.97                | 0.30                    | 175.55                              |
| 8400               | 35.04                  | 3.01                | 0.37                    | 175.61                              |
| 8500               | 35.24                  | 3.11                | 0.42                    | 175.67                              |

<sup>(1)</sup> Relative to 180°