

*Typical Performance Data*

| FREQ. | Insertion Loss | Input Return Loss | Output Return Loss | FREQ. | Group Delay |
|-------|----------------|-------------------|--------------------|-------|-------------|
| (MHz) | (dB)           | (dB)              | (dB)               | (MHz) | (ns)        |
| 10    | 0.03           | 50.60             | 51.43              | 10    | 0.21        |
| 50    | 0.06           | 40.68             | 40.28              | 50    | 0.21        |
| 100   | 0.02           | 33.22             | 33.20              | 100   | 0.21        |
| 500   | 0.19           | 21.84             | 21.93              | 300   | 0.20        |
| 1000  | 0.30           | 17.77             | 17.95              | 500   | 0.20        |
| 2000  | 0.38           | 16.78             | 16.92              | 700   | 0.20        |
| 2500  | 0.39           | 18.74             | 18.90              | 900   | 0.20        |
| 3000  | 0.38           | 23.46             | 23.12              | 1100  | 0.20        |
| 4000  | 0.42           | 26.71             | 25.35              | 1300  | 0.20        |
| 5000  | 0.46           | 20.99             | 21.10              | 1500  | 0.20        |
| 6000  | 0.49           | 24.29             | 25.32              | 1700  | 0.20        |
| 6500  | 0.49           | 28.35             | 32.92              | 1900  | 0.20        |
| 7000  | 0.52           | 26.44             | 31.34              | 2100  | 0.20        |
| 7500  | 0.54           | 23.94             | 26.50              | 2300  | 0.20        |
| 8000  | 0.56           | 21.62             | 22.84              | 2500  | 0.20        |
| 9000  | 0.58           | 21.57             | 21.49              | 2700  | 0.20        |
| 10000 | 0.59           | 34.39             | 27.39              | 2900  | 0.20        |
| 10500 | 0.62           | 28.60             | 27.62              | 3100  | 0.20        |
| 11000 | 0.64           | 21.85             | 22.85              | 3300  | 0.20        |
| 11500 | 0.69           | 19.03             | 19.97              | 3500  | 0.20        |
| 11700 | 0.70           | 18.54             | 19.28              | 3700  | 0.20        |
| 12000 | 0.71           | 18.43             | 18.84              | 3900  | 0.20        |
| 12400 | 0.72           | 19.45             | 19.25              | 4100  | 0.20        |
| 12500 | 0.71           | 19.93             | 19.47              | 4300  | 0.20        |
| 13000 | 0.72           | 24.53             | 21.52              | 4500  | 0.20        |
| 13600 | 0.74           | 31.14             | 23.30              | 4700  | 0.20        |
| 14000 | 0.77           | 23.60             | 21.65              | 4900  | 0.20        |
| 14400 | 0.80           | 20.39             | 19.96              | 5100  | 0.20        |
| 15000 | 0.85           | 19.55             | 19.49              | 5300  | 0.20        |
| 18000 | 1.22           | 26.52             | 22.30              | 5500  | 0.20        |
| 20000 | 9.83           | 2.37              | 2.28               | 5700  | 0.20        |
| 20100 | 11.79          | 1.91              | 1.83               | 5900  | 0.21        |
| 20200 | 13.75          | 1.61              | 1.54               | 6100  | 0.20        |
| 20500 | 19.46          | 1.14              | 1.10               | 6300  | 0.21        |
| 20600 | 21.26          | 1.04              | 1.04               | 6500  | 0.21        |
| 21000 | 28.01          | 0.92              | 0.90               | 6700  | 0.21        |
| 21500 | 35.54          | 0.81              | 0.82               | 6900  | 0.21        |
| 22000 | 42.15          | 0.75              | 0.77               | 7100  | 0.21        |
| 22500 | 48.40          | 0.70              | 0.75               | 7300  | 0.21        |
| 23000 | 54.41          | 0.66              | 0.72               | 7500  | 0.21        |
| 23500 | 60.76          | 0.66              | 0.71               | 7700  | 0.21        |
| 24000 | 62.05          | 0.64              | 0.69               | 10000 | 0.22        |
| 24500 | 69.01          | 0.62              | 0.69               | 10500 | 0.22        |
| 25000 | 72.81          | 0.60              | 0.66               | 11000 | 0.22        |
| 25500 | 79.45          | 0.53              | 0.64               | 11500 | 0.22        |
| 26000 | 76.78          | 0.50              | 0.59               | 12000 | 0.22        |
| 26500 | 85.97          | 0.50              | 0.55               | 12500 | 0.23        |
| 27000 | 81.14          | 0.46              | 0.51               | 13000 | 0.23        |
| 27500 | 87.44          | 0.44              | 0.52               | 13500 | 0.24        |
| 28000 | 77.39          | 0.37              | 0.49               | 14000 | 0.24        |
| 28500 | 82.21          | 0.38              | 0.47               | 14100 | 0.24        |
| 30000 | 79.32          | 0.52              | 0.60               | 14500 | 0.24        |
| 31000 | 89.87          | 0.58              | 0.64               | 14700 | 0.25        |
| 32000 | 90.17          | 0.62              | 0.66               | 14800 | 0.25        |
| 33000 | 82.55          | 0.63              | 0.71               | 15000 | 0.25        |
| 34000 | 87.95          | 0.66              | 0.74               | 15500 | 0.26        |
| 35000 | 100.25         | 0.70              | 0.80               | 16000 | 0.27        |
| 37000 | 85.22          | 0.72              | 0.80               | 17000 | 0.29        |
| 39000 | 88.97          | 0.60              | 0.58               | 17500 | 0.30        |
| 40000 | 82.17          | 0.50              | 0.51               | 18000 | 0.32        |