

## Typical Performance Data

| FREQ. | Insertion Loss | Input Return Loss | Output Return Loss | FREQ. | Group Delay |
|-------|----------------|-------------------|--------------------|-------|-------------|
| (MHz) | (dB)           | (dB)              | (dB)               | (MHz) | (ns)        |
| 1     | 0.55           | 35.34             | 35.59              | 1     | 0.36        |
| 5     | 0.52           | 36.17             | 36.08              | 50    | 0.35        |
| 10    | 0.52           | 35.93             | 36.08              | 60    | 0.35        |
| 15    | 0.53           | 35.74             | 35.97              | 70    | 0.35        |
| 25    | 0.53           | 35.54             | 35.67              | 80    | 0.35        |
| 50    | 0.48           | 36.48             | 36.56              | 90    | 0.35        |
| 100   | 0.56           | 33.59             | 33.70              | 100   | 0.35        |
| 150   | 0.62           | 30.77             | 30.84              | 110   | 0.35        |
| 220   | 0.66           | 27.99             | 28.09              | 120   | 0.34        |
| 310   | 0.73           | 25.09             | 25.17              | 130   | 0.34        |
| 370   | 0.77           | 23.58             | 23.76              | 140   | 0.34        |
| 450   | 0.84           | 21.95             | 22.09              | 150   | 0.34        |
| 500   | 0.89           | 21.13             | 21.28              | 160   | 0.34        |
| 570   | 0.96           | 20.11             | 20.23              | 170   | 0.34        |
| 620   | 1.03           | 19.46             | 19.64              | 180   | 0.34        |
| 650   | 1.07           | 19.17             | 19.35              | 190   | 0.34        |
| 700   | 1.15           | 18.67             | 18.82              | 200   | 0.34        |
| 750   | 1.24           | 18.23             | 18.43              | 210   | 0.34        |
| 860   | 1.52           | 17.85             | 17.91              | 220   | 0.34        |
| 900   | 1.65           | 17.74             | 17.88              | 230   | 0.34        |
| 1000  | 2.08           | 18.03             | 18.11              | 240   | 0.34        |
| 1100  | 2.72           | 18.93             | 18.95              | 250   | 0.34        |
| 1150  | 3.14           | 19.73             | 19.72              | 260   | 0.34        |
| 1500  | 9.09           | 22.05             | 21.95              | 270   | 0.35        |
| 1600  | 11.94          | 20.70             | 20.65              | 280   | 0.35        |
| 1700  | 15.41          | 19.84             | 19.76              | 290   | 0.35        |
| 2000  | 24.98          | 19.64             | 19.37              | 300   | 0.35        |
| 3000  | 15.19          | 26.44             | 25.02              | 310   | 0.35        |
| 4000  | 15.28          | 27.79             | 27.85              | 320   | 0.35        |
| 4500  | 15.76          | 24.15             | 24.25              | 330   | 0.35        |
| 5000  | 16.28          | 21.77             | 21.78              | 340   | 0.35        |
| 5200  | 16.48          | 21.16             | 20.91              | 350   | 0.35        |
| 5500  | 16.74          | 20.36             | 20.03              | 360   | 0.35        |
| 5800  | 16.97          | 19.85             | 19.47              | 370   | 0.35        |
| 6000  | 17.07          | 19.74             | 19.26              | 380   | 0.35        |
| 6200  | 17.12          | 19.52             | 18.96              | 390   | 0.35        |
| 6500  | 17.16          | 19.44             | 18.90              | 400   | 0.35        |
| 7000  | 16.90          | 19.82             | 19.34              | 410   | 0.35        |
| 7300  | 16.48          | 20.50             | 20.28              | 420   | 0.35        |
| 7500  | 16.05          | 20.51             | 20.64              | 430   | 0.35        |
| 7900  | 14.73          | 19.64             | 20.30              | 440   | 0.35        |
| 8000  | 14.27          | 19.10             | 19.94              | 450   | 0.35        |
| 8100  | 13.77          | 18.36             | 19.28              | 460   | 0.36        |
| 8500  | 11.57          | 15.07             | 15.53              | 470   | 0.36        |
| 9000  | 13.00          | 15.13             | 14.74              | 480   | 0.36        |
| 9200  | 15.23          | 17.13             | 16.54              | 490   | 0.36        |
| 9500  | 18.52          | 20.80             | 19.92              | 500   | 0.36        |
| 10000 | 22.72          | 27.51             | 27.58              | 510   | 0.36        |
| 10500 | 25.46          | 28.61             | 31.47              | 520   | 0.36        |
| 11000 | 27.08          | 23.97             | 24.00              | 530   | 0.36        |
| 12000 | 28.27          | 18.18             | 17.34              | 540   | 0.36        |
| 13000 | 28.06          | 15.16             | 14.34              | 550   | 0.36        |
| 14000 | 27.41          | 13.14             | 12.82              | 560   | 0.36        |
| 15000 | 26.55          | 11.84             | 12.30              | 570   | 0.36        |
| 16000 | 25.60          | 11.37             | 12.80              | 580   | 0.37        |
| 17000 | 24.63          | 11.61             | 14.38              | 750   | 0.39        |
| 18000 | 23.81          | 12.30             | 15.84              | 800   | 0.40        |
| 19000 | 23.29          | 13.00             | 13.58              | 820   | 0.41        |
| 20000 | 23.16          | 12.34             | 9.88               | 850   | 0.41        |
| 40000 | 29.60          | 2.16              | 2.95               | 860   | 0.41        |