

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION LOSS <sup>(1)</sup><br>(dB) | COUPLING<br>(dB) | DIRECTIVITY<br>(dB) | RETURN LOSS |             |       |
|--------------------|---------------------------------------|------------------|---------------------|-------------|-------------|-------|
|                    |                                       |                  |                     | IN          | (dB)<br>OUT | CPL   |
| 1000               | 0.14                                  | 19.68            | 37.18               | 38.15       | 38.02       | 33.40 |
| 1200               | 0.16                                  | 19.13            | 37.41               | 37.98       | 37.51       | 34.50 |
| 1500               | 0.18                                  | 19.04            | 36.83               | 38.63       | 36.67       | 35.71 |
| 2000               | 0.19                                  | 20.00            | 38.32               | 30.92       | 30.80       | 35.32 |
| 2500               | 0.20                                  | 20.30            | 30.65               | 30.52       | 30.52       | 33.88 |
| 3000               | 0.23                                  | 19.41            | 33.95               | 36.77       | 38.01       | 34.72 |
| 3500               | 0.25                                  | 19.22            | 30.63               | 28.12       | 27.94       | 32.32 |
| 4000               | 0.27                                  | 20.04            | 31.54               | 23.11       | 23.14       | 27.91 |
| 4500               | 0.28                                  | 20.38            | 30.95               | 25.45       | 25.43       | 30.33 |
| 5000               | 0.29                                  | 19.51            | 27.10               | 35.73       | 33.36       | 29.41 |
| 5500               | 0.33                                  | 19.14            | 24.25               | 22.82       | 22.60       | 23.82 |
| 6000               | 0.35                                  | 19.76            | 26.46               | 20.76       | 20.59       | 24.58 |
| 6500               | 0.33                                  | 20.35            | 27.48               | 25.92       | 25.70       | 29.04 |
| 7000               | 0.35                                  | 19.76            | 24.64               | 30.45       | 29.97       | 26.08 |
| 7500               | 0.40                                  | 19.20            | 22.13               | 22.65       | 22.93       | 21.17 |
| 8000               | 0.41                                  | 19.50            | 23.74               | 21.96       | 21.94       | 24.94 |
| 8500               | 0.39                                  | 20.24            | 26.81               | 28.72       | 29.66       | 26.10 |
| 9000               | 0.40                                  | 19.97            | 22.60               | 26.59       | 26.54       | 19.87 |
| 9500               | 0.44                                  | 19.21            | 19.65               | 23.19       | 22.94       | 20.09 |
| 10000              | 0.45                                  | 19.15            | 21.06               | 22.47       | 22.10       | 27.73 |
| 10500              | 0.44                                  | 19.95            | 25.15               | 30.47       | 29.64       | 21.53 |
| 11000              | 0.46                                  | 20.13            | 22.01               | 24.57       | 24.43       | 19.33 |
| 11500              | 0.51                                  | 19.40            | 18.86               | 21.50       | 21.51       | 23.63 |
| 12000              | 0.51                                  | 19.07            | 20.41               | 24.60       | 24.09       | 24.86 |
| 12500              | 0.50                                  | 19.76            | 24.62               | 26.88       | 26.89       | 24.29 |
| 13000              | 0.52                                  | 20.21            | 27.08               | 22.30       | 22.64       | 23.88 |
| 13500              | 0.53                                  | 19.65            | 19.68               | 26.71       | 26.31       | 20.90 |
| 14000              | 0.55                                  | 19.02            | 18.43               | 28.81       | 29.27       | 26.09 |
| 14500              | 0.58                                  | 19.43            | 22.03               | 22.17       | 22.31       | 24.28 |
| 15000              | 0.56                                  | 20.27            | 25.86               | 28.29       | 28.11       | 18.66 |
| 15500              | 0.58                                  | 19.83            | 19.85               | 24.80       | 25.27       | 24.29 |
| 16000              | 0.63                                  | 19.15            | 22.97               | 21.36       | 22.37       | 20.78 |
| 16500              | 0.62                                  | 19.22            | 27.31               | 27.49       | 28.41       | 22.22 |
| 17000              | 0.66                                  | 20.05            | 19.26               | 19.86       | 19.80       | 24.34 |
| 17500              | 0.68                                  | 20.41            | 19.97               | 19.25       | 19.33       | 18.42 |
| 18000              | 0.67                                  | 19.37            | 21.15               | 26.52       | 28.13       | 24.10 |
| 18500              | 0.76                                  | 19.10            | 20.17               | 18.00       | 18.00       | 21.43 |
| 19000              | 0.78                                  | 20.10            | 23.18               | 17.62       | 17.61       | 24.73 |
| 19500              | 0.73                                  | 20.51            | 26.19               | 25.42       | 27.18       | 27.55 |
| 20000              | 0.76                                  | 19.61            | 21.35               | 20.42       | 20.72       | 23.10 |

<sup>(1)</sup>Mainline loss includes coupling loss