

## Typical Performance Data

| FREQ.<br>(MHz) | MAINLINE<br>LOSS <sup>(1)</sup> | COUPLING  |             | DIRECTIVITY |           | RETURN LOSS |       |        |        |
|----------------|---------------------------------|-----------|-------------|-------------|-----------|-------------|-------|--------|--------|
|                | (dB)                            | (dB)      |             | (dB)        |           | (dB)        |       |        |        |
|                | IN-THRU                         | IN-COUP 1 | THRU-COUP 2 | THRU-COUP 1 | IN-COUP 2 | IN          | THRU  | COUP 1 | COUP 2 |
| 6000           | 0.33                            | 19.72     | 19.74       | 31.00       | 30.40     | 23.21       | 23.72 | 32.15  | 28.71  |
| 6500           | 0.32                            | 19.83     | 19.86       | 32.11       | 38.46     | 25.78       | 26.58 | 37.97  | 33.24  |
| 7000           | 0.32                            | 19.95     | 19.98       | 34.84       | 37.80     | 34.80       | 36.46 | 39.32  | 39.95  |
| 7500           | 0.33                            | 20.05     | 20.08       | 38.64       | 30.79     | 39.14       | 38.29 | 52.32  | 40.63  |
| 8000           | 0.34                            | 20.10     | 20.13       | 37.47       | 30.10     | 35.72       | 34.45 | 33.63  | 44.10  |
| 8500           | 0.35                            | 20.11     | 20.14       | 30.65       | 28.30     | 46.02       | 33.97 | 28.59  | 31.74  |
| 9000           | 0.37                            | 20.07     | 20.11       | 25.95       | 23.87     | 27.41       | 25.99 | 30.01  | 30.13  |
| 9500           | 0.40                            | 20.04     | 20.09       | 23.22       | 21.15     | 22.40       | 21.94 | 48.16  | 38.13  |
| 10000          | 0.41                            | 19.99     | 20.05       | 22.22       | 20.73     | 21.21       | 21.16 | 27.64  | 33.21  |
| 11000          | 0.39                            | 19.88     | 19.96       | 25.58       | 26.98     | 33.21       | 34.99 | 26.47  | 26.71  |
| 12000          | 0.43                            | 19.92     | 19.99       | 33.06       | 26.75     | 24.62       | 24.15 | 33.33  | 42.80  |
| 13000          | 0.43                            | 19.99     | 20.10       | 32.01       | 33.92     | 28.84       | 30.16 | 29.25  | 36.44  |
| 14000          | 0.44                            | 20.04     | 20.17       | 38.82       | 25.03     | 28.16       | 27.47 | 30.29  | 26.55  |
| 15000          | 0.46                            | 20.09     | 20.20       | 28.40       | 37.57     | 28.27       | 29.76 | 24.73  | 30.24  |
| 16000          | 0.47                            | 20.09     | 20.18       | 23.47       | 18.77     | 31.82       | 28.66 | 26.10  | 25.14  |
| 17000          | 0.49                            | 20.12     | 20.17       | 24.04       | 20.52     | 27.28       | 26.78 | 24.33  | 24.65  |
| 18000          | 0.50                            | 20.24     | 20.26       | 35.34       | 25.04     | 31.05       | 28.54 | 22.65  | 20.78  |
| 19000          | 0.54                            | 20.32     | 20.30       | 32.50       | 21.01     | 21.53       | 21.09 | 32.75  | 28.45  |
| 20000          | 0.52                            | 20.34     | 20.23       | 28.59       | 20.53     | 35.37       | 38.83 | 26.70  | 33.81  |
| 21000          | 0.57                            | 20.31     | 20.19       | 20.52       | 19.58     | 22.32       | 21.58 | 24.43  | 20.34  |
| 22000          | 0.56                            | 20.34     | 20.24       | 19.38       | 21.30     | 27.58       | 28.92 | 21.29  | 20.27  |
| 23000          | 0.59                            | 20.41     | 20.22       | 21.46       | 15.07     | 25.57       | 23.62 | 24.28  | 19.41  |
| 24000          | 0.59                            | 20.42     | 20.19       | 26.01       | 19.48     | 25.88       | 25.88 | 23.57  | 23.73  |
| 25000          | 0.60                            | 20.52     | 20.39       | 25.86       | 23.49     | 32.55       | 28.33 | 20.50  | 20.47  |
| 26000          | 0.61                            | 20.52     | 20.41       | 25.52       | 24.06     | 36.52       | 32.47 | 20.48  | 20.95  |
| 26500          | 0.62                            | 20.49     | 20.32       | 30.37       | 19.71     | 32.64       | 29.96 | 26.51  | 25.36  |
| 27000          | 0.65                            | 20.46     | 20.20       | 29.52       | 17.26     | 25.20       | 23.68 | 24.31  | 27.37  |
| 28000          | 0.65                            | 20.46     | 20.40       | 20.87       | 21.47     | 33.71       | 32.20 | 22.41  | 19.42  |
| 29000          | 0.70                            | 20.50     | 20.42       | 23.58       | 21.88     | 21.32       | 20.41 | 26.43  | 33.69  |
| 30000          | 0.73                            | 20.46     | 20.33       | 35.99       | 20.52     | 20.43       | 19.33 | 32.83  | 35.59  |
| 31000          | 0.70                            | 20.46     | 20.35       | 24.68       | 19.63     | 32.26       | 30.83 | 20.07  | 21.74  |
| 32000          | 0.73                            | 20.38     | 20.29       | 24.99       | 17.84     | 26.54       | 23.57 | 29.32  | 36.03  |
| 33000          | 0.77                            | 20.39     | 20.33       | 26.59       | 19.97     | 21.19       | 20.46 | 19.59  | 19.64  |
| 34000          | 0.80                            | 20.38     | 20.12       | 22.26       | 14.34     | 24.39       | 25.61 | 39.32  | 40.30  |
| 35000          | 0.78                            | 20.42     | 20.27       | 24.51       | 19.89     | 29.26       | 33.53 | 21.26  | 19.82  |
| 36000          | 0.79                            | 20.40     | 20.11       | 22.92       | 15.51     | 28.19       | 32.60 | 32.86  | 27.87  |
| 37000          | 0.80                            | 20.31     | 20.21       | 16.33       | 24.81     | 36.01       | 31.96 | 17.46  | 20.32  |
| 38000          | 0.83                            | 20.25     | 20.14       | 22.86       | 18.90     | 33.68       | 37.03 | 26.45  | 23.72  |
| 39000          | 0.91                            | 20.12     | 19.99       | 22.28       | 24.65     | 23.40       | 20.64 | 22.53  | 24.36  |
| 40000          | 0.84                            | 20.18     | 20.08       | 26.34       | 15.95     | 21.59       | 21.49 | 19.95  | 17.59  |

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