

*Typical Performance Data*

| FREQ. | ATTENUATION |        |       | INPUT VSWR |        |       | OUTPUT VSWR |        |       |
|-------|-------------|--------|-------|------------|--------|-------|-------------|--------|-------|
|       | (dB)        |        |       | (:1)       |        |       | (:1)        |        |       |
|       | (MHz)       | @-55°C | @25°C | @+105°C    | @-55°C | @25°C | @+105°C     | @-55°C | @25°C |
| 10    | 11.98       | 11.96  | 11.97 | 1.15       | 1.17   | 1.17  | 1.16        | 1.17   | 1.18  |
| 20    | 12.01       | 11.97  | 11.98 | 1.12       | 1.14   | 1.14  | 1.12        | 1.14   | 1.15  |
| 30    | 12.00       | 11.97  | 11.98 | 1.11       | 1.13   | 1.14  | 1.12        | 1.13   | 1.14  |
| 40    | 12.00       | 11.98  | 11.99 | 1.11       | 1.13   | 1.13  | 1.11        | 1.13   | 1.14  |
| 50    | 12.00       | 11.98  | 11.99 | 1.11       | 1.12   | 1.13  | 1.11        | 1.12   | 1.14  |
| 60    | 12.01       | 11.98  | 11.99 | 1.11       | 1.12   | 1.13  | 1.11        | 1.12   | 1.13  |
| 70    | 12.01       | 11.98  | 11.98 | 1.11       | 1.12   | 1.13  | 1.11        | 1.12   | 1.13  |
| 80    | 12.01       | 11.98  | 11.99 | 1.11       | 1.12   | 1.13  | 1.11        | 1.12   | 1.13  |
| 90    | 12.01       | 11.98  | 11.99 | 1.11       | 1.12   | 1.13  | 1.11        | 1.12   | 1.13  |
| 100   | 12.01       | 11.98  | 11.99 | 1.11       | 1.12   | 1.13  | 1.11        | 1.12   | 1.13  |
| 200   | 12.01       | 11.98  | 12.00 | 1.10       | 1.12   | 1.13  | 1.10        | 1.12   | 1.13  |
| 400   | 12.02       | 12.00  | 12.00 | 1.10       | 1.11   | 1.12  | 1.10        | 1.11   | 1.12  |
| 600   | 12.02       | 12.00  | 12.01 | 1.10       | 1.11   | 1.12  | 1.10        | 1.12   | 1.12  |
| 800   | 12.02       | 12.00  | 12.01 | 1.10       | 1.11   | 1.12  | 1.11        | 1.12   | 1.13  |
| 1000  | 12.03       | 12.01  | 12.02 | 1.10       | 1.11   | 1.12  | 1.11        | 1.12   | 1.13  |
| 2000  | 12.03       | 12.02  | 12.04 | 1.11       | 1.13   | 1.14  | 1.13        | 1.13   | 1.14  |
| 3000  | 12.03       | 12.03  | 12.05 | 1.12       | 1.15   | 1.16  | 1.13        | 1.14   | 1.15  |
| 4000  | 12.04       | 12.04  | 12.06 | 1.15       | 1.17   | 1.19  | 1.14        | 1.14   | 1.16  |
| 5000  | 12.04       | 12.05  | 12.07 | 1.17       | 1.17   | 1.18  | 1.15        | 1.13   | 1.14  |
| 6000  | 12.06       | 12.07  | 12.09 | 1.20       | 1.17   | 1.18  | 1.16        | 1.15   | 1.16  |
| 7000  | 12.08       | 12.09  | 12.12 | 1.21       | 1.17   | 1.17  | 1.17        | 1.17   | 1.18  |
| 8000  | 12.07       | 12.09  | 12.13 | 1.20       | 1.15   | 1.15  | 1.17        | 1.18   | 1.18  |
| 9000  | 12.05       | 12.07  | 12.11 | 1.17       | 1.12   | 1.11  | 1.15        | 1.15   | 1.15  |
| 10000 | 12.01       | 12.05  | 12.10 | 1.11       | 1.06   | 1.06  | 1.09        | 1.09   | 1.09  |
| 11000 | 12.01       | 12.05  | 12.10 | 1.06       | 1.01   | 1.01  | 1.03        | 1.02   | 1.03  |
| 12000 | 12.03       | 12.07  | 12.12 | 1.08       | 1.06   | 1.06  | 1.07        | 1.04   | 1.03  |
| 13000 | 12.05       | 12.10  | 12.15 | 1.11       | 1.10   | 1.10  | 1.11        | 1.08   | 1.07  |
| 14000 | 12.05       | 12.10  | 12.16 | 1.11       | 1.10   | 1.11  | 1.11        | 1.10   | 1.09  |
| 15000 | 12.04       | 12.10  | 12.16 | 1.11       | 1.10   | 1.10  | 1.09        | 1.11   | 1.09  |
| 16000 | 12.04       | 12.10  | 12.17 | 1.09       | 1.08   | 1.07  | 1.07        | 1.08   | 1.06  |
| 17000 | 12.05       | 12.11  | 12.17 | 1.05       | 1.05   | 1.04  | 1.03        | 1.05   | 1.03  |
| 18000 | 12.05       | 12.11  | 12.17 | 1.03       | 1.04   | 1.04  | 1.02        | 1.02   | 1.02  |
| 19000 | 12.05       | 12.11  | 12.18 | 1.07       | 1.08   | 1.09  | 1.08        | 1.09   | 1.10  |
| 20000 | 12.07       | 12.14  | 12.22 | 1.14       | 1.13   | 1.13  | 1.15        | 1.15   | 1.15  |
| 21000 | 12.12       | 12.18  | 12.26 | 1.18       | 1.14   | 1.13  | 1.22        | 1.19   | 1.18  |
| 22000 | 12.14       | 12.21  | 12.25 | 1.18       | 1.13   | 1.11  | 1.21        | 1.19   | 1.17  |
| 23000 | 12.08       | 12.17  | 12.22 | 1.11       | 1.11   | 1.08  | 1.15        | 1.15   | 1.13  |
| 24000 | 12.02       | 12.13  | 12.19 | 1.02       | 1.10   | 1.07  | 1.08        | 1.09   | 1.07  |
| 25000 | 12.03       | 12.12  | 12.20 | 1.12       | 1.10   | 1.08  | 1.09        | 1.05   | 1.04  |
| 26000 | 12.04       | 12.12  | 12.20 | 1.19       | 1.12   | 1.13  | 1.14        | 1.10   | 1.12  |
| 27000 | 12.06       | 12.15  | 12.23 | 1.21       | 1.15   | 1.17  | 1.19        | 1.17   | 1.20  |
| 28000 | 12.07       | 12.17  | 12.26 | 1.22       | 1.15   | 1.18  | 1.22        | 1.22   | 1.24  |
| 29000 | 12.08       | 12.16  | 12.25 | 1.22       | 1.11   | 1.12  | 1.24        | 1.22   | 1.23  |
| 30000 | 12.03       | 12.14  | 12.23 | 1.17       | 1.04   | 1.06  | 1.19        | 1.18   | 1.18  |
| 31000 | 12.00       | 12.15  | 12.24 | 1.06       | 1.05   | 1.05  | 1.08        | 1.12   | 1.11  |
| 32000 | 12.02       | 12.14  | 12.24 | 1.10       | 1.15   | 1.15  | 1.11        | 1.12   | 1.09  |
| 33000 | 12.03       | 12.18  | 12.28 | 1.21       | 1.26   | 1.27  | 1.23        | 1.17   | 1.17  |
| 34000 | 12.03       | 12.20  | 12.30 | 1.27       | 1.36   | 1.39  | 1.32        | 1.25   | 1.28  |
| 35000 | 12.02       | 12.24  | 12.35 | 1.29       | 1.45   | 1.48  | 1.38        | 1.38   | 1.40  |
| 36000 | 12.07       | 12.28  | 12.38 | 1.35       | 1.48   | 1.48  | 1.44        | 1.46   | 1.44  |
| 37000 | 12.17       | 12.31  | 12.40 | 1.45       | 1.44   | 1.40  | 1.49        | 1.46   | 1.41  |
| 38000 | 12.23       | 12.30  | 12.37 | 1.47       | 1.34   | 1.30  | 1.46        | 1.37   | 1.31  |
| 39000 | 12.10       | 12.22  | 12.28 | 1.29       | 1.22   | 1.17  | 1.35        | 1.26   | 1.20  |
| 40000 | 11.88       | 12.06  | 12.13 | 1.15       | 1.16   | 1.11  | 1.17        | 1.18   | 1.14  |
| 41000 | 11.83       | 12.03  | 12.16 | 1.16       | 1.15   | 1.15  | 1.12        | 1.18   | 1.22  |
| 42000 | 11.91       | 12.08  | 12.26 | 1.28       | 1.20   | 1.26  | 1.31        | 1.28   | 1.36  |
| 43000 | 12.06       | 12.17  | 12.35 | 1.43       | 1.31   | 1.36  | 1.45        | 1.41   | 1.46  |
| 44000 | 12.17       | 12.27  | 12.44 | 1.56       | 1.41   | 1.43  | 1.57        | 1.50   | 1.52  |
| 45000 | 12.24       | 12.38  | 12.53 | 1.52       | 1.49   | 1.48  | 1.64        | 1.53   | 1.52  |
| 46000 | 12.21       | 12.48  | 12.57 | 1.46       | 1.61   | 1.57  | 1.62        | 1.58   | 1.54  |
| 47000 | 12.15       | 12.57  | 12.59 | 1.48       | 1.71   | 1.63  | 1.57        | 1.69   | 1.60  |
| 48000 | 12.17       | 12.57  | 12.57 | 1.56       | 1.75   | 1.62  | 1.61        | 1.70   | 1.58  |
| 49000 | 12.30       | 12.53  | 12.60 | 1.71       | 1.75   | 1.63  | 1.73        | 1.65   | 1.57  |
| 50000 | 12.45       | 12.45  | 12.59 | 1.91       | 1.73   | 1.66  | 1.86        | 1.59   | 1.54  |

