

Typical Performance Curves per Switch

| FREQUENCY<br>(MHz) | INSERTION LOSS<br>ON<br>(dB) |       | ISOLATION<br>OFF<br>(dB) |        | VSWR<br>(:1) |          | VSWR<br>(:1) |          |
|--------------------|------------------------------|-------|--------------------------|--------|--------------|----------|--------------|----------|
|                    | IN-J1                        | IN-J2 | IN-J1                    | IN-J2  | IN-J1 ON     | IN-J2 ON | J1-J1 ON     | J2-J2 ON |
|                    |                              |       |                          |        |              |          |              |          |
| 10                 | 0.01                         | 0.01  | 82.30                    | 90.71  | 1.03         | 1.03     | 1.02         | 1.02     |
| 20                 | 0.01                         | 0.00  | 93.05                    | 83.47  | 1.01         | 1.01     | 1.01         | 1.01     |
| 30                 | 0.00                         | 0.00  | 101.71                   | 90.90  | 1.01         | 1.01     | 1.01         | 1.01     |
| 40                 | 0.00                         | 0.01  | 100.57                   | 97.38  | 1.00         | 1.00     | 1.00         | 1.00     |
| 50                 | 0.00                         | 0.01  | 92.24                    | 98.05  | 1.00         | 1.00     | 1.00         | 1.00     |
| 60                 | 0.00                         | 0.01  | 96.84                    | 106.71 | 1.00         | 1.00     | 1.00         | 1.00     |
| 70                 | 0.01                         | 0.01  | 102.16                   | 94.49  | 1.00         | 1.00     | 1.00         | 1.00     |
| 80                 | 0.01                         | 0.01  | 108.37                   | 93.38  | 1.00         | 1.00     | 1.00         | 1.00     |
| 90                 | 0.01                         | 0.01  | 99.93                    | 111.53 | 1.00         | 1.00     | 1.00         | 1.00     |
| 100                | 0.01                         | 0.01  | 99.05                    | 96.71  | 1.00         | 1.00     | 1.00         | 1.00     |
| 200                | 0.01                         | 0.01  | 98.44                    | 93.94  | 1.01         | 1.01     | 1.01         | 1.01     |
| 300                | 0.01                         | 0.02  | 96.41                    | 103.71 | 1.02         | 1.01     | 1.01         | 1.01     |
| 400                | 0.02                         | 0.02  | 103.77                   | 109.75 | 1.02         | 1.02     | 1.02         | 1.02     |
| 500                | 0.02                         | 0.03  | 100.69                   | 100.37 | 1.02         | 1.02     | 1.02         | 1.02     |
| 600                | 0.02                         | 0.03  | 108.86                   | 104.91 | 1.03         | 1.02     | 1.03         | 1.02     |
| 700                | 0.03                         | 0.03  | 109.87                   | 111.02 | 1.03         | 1.03     | 1.03         | 1.03     |
| 800                | 0.03                         | 0.03  | 101.54                   | 107.55 | 1.04         | 1.03     | 1.03         | 1.03     |
| 900                | 0.03                         | 0.04  | 108.20                   | 114.82 | 1.04         | 1.03     | 1.04         | 1.03     |
| 1000               | 0.03                         | 0.04  | 111.87                   | 110.53 | 1.04         | 1.04     | 1.04         | 1.04     |
| 2000               | 0.05                         | 0.06  | 109.46                   | 105.29 | 1.07         | 1.06     | 1.08         | 1.07     |
| 3000               | 0.06                         | 0.07  | 107.57                   | 103.22 | 1.11         | 1.09     | 1.11         | 1.10     |
| 4000               | 0.08                         | 0.09  | 101.21                   | 104.22 | 1.14         | 1.13     | 1.14         | 1.13     |
| 5000               | 0.09                         | 0.11  | 113.52                   | 101.88 | 1.16         | 1.14     | 1.15         | 1.14     |
| 6000               | 0.10                         | 0.11  | 101.26                   | 105.86 | 1.15         | 1.13     | 1.16         | 1.13     |
| 7000               | 0.10                         | 0.12  | 106.61                   | 110.40 | 1.15         | 1.12     | 1.15         | 1.12     |
| 8000               | 0.11                         | 0.12  | 102.05                   | 106.71 | 1.13         | 1.10     | 1.12         | 1.09     |
| 9000               | 0.11                         | 0.12  | 103.46                   | 110.40 | 1.10         | 1.07     | 1.09         | 1.06     |
| 10000              | 0.11                         | 0.13  | 107.00                   | 111.36 | 1.07         | 1.04     | 1.07         | 1.03     |
| 11000              | 0.11                         | 0.13  | 110.95                   | 122.17 | 1.05         | 1.03     | 1.06         | 1.03     |
| 12000              | 0.12                         | 0.13  | 108.48                   | 102.15 | 1.04         | 1.02     | 1.04         | 1.02     |
| 13000              | 0.12                         | 0.14  | 107.81                   | 110.50 | 1.04         | 1.02     | 1.04         | 1.01     |
| 14000              | 0.12                         | 0.14  | 109.99                   | 113.35 | 1.04         | 1.02     | 1.05         | 1.01     |
| 15000              | 0.13                         | 0.15  | 109.63                   | 112.49 | 1.03         | 1.01     | 1.04         | 1.01     |
| 16000              | 0.13                         | 0.15  | 106.49                   | 120.67 | 1.03         | 1.02     | 1.03         | 1.02     |
| 17000              | 0.14                         | 0.16  | 107.29                   | 113.86 | 1.03         | 1.02     | 1.04         | 1.03     |
| 18000              | 0.15                         | 0.17  | 116.61                   | 105.69 | 1.06         | 1.04     | 1.07         | 1.05     |
| 19000              | 0.16                         | 0.17  | 101.67                   | 105.23 | 1.08         | 1.06     | 1.09         | 1.06     |
| 20000              | 0.16                         | 0.18  | 105.64                   | 105.19 | 1.08         | 1.06     | 1.07         | 1.04     |
| 21000              | 0.16                         | 0.18  | 104.93                   | 109.37 | 1.03         | 1.06     | 1.02         | 1.05     |
| 22000              | 0.17                         | 0.20  | 111.46                   | 100.12 | 1.04         | 1.10     | 1.04         | 1.11     |
| 23000              | 0.18                         | 0.21  | 103.34                   | 113.41 | 1.11         | 1.15     | 1.10         | 1.15     |
| 24000              | 0.20                         | 0.22  | 104.21                   | 103.04 | 1.19         | 1.20     | 1.19         | 1.19     |
| 25000              | 0.23                         | 0.24  | 106.04                   | 113.53 | 1.26         | 1.23     | 1.26         | 1.23     |
| 26000              | 0.24                         | 0.25  | 100.32                   | 109.68 | 1.28         | 1.25     | 1.28         | 1.24     |
| 27000              | 0.23                         | 0.24  | 115.44                   | 99.29  | 1.26         | 1.24     | 1.25         | 1.23     |
| 28000              | 0.21                         | 0.23  | 95.58                    | 99.65  | 1.22         | 1.22     | 1.20         | 1.20     |
| 29000              | 0.20                         | 0.23  | 91.80                    | 100.44 | 1.17         | 1.18     | 1.18         | 1.19     |
| 30000              | 0.20                         | 0.22  | 112.18                   | 93.62  | 1.15         | 1.15     | 1.16         | 1.16     |
| 31000              | 0.21                         | 0.23  | 95.53                    | 100.83 | 1.15         | 1.15     | 1.16         | 1.16     |
| 32000              | 0.21                         | 0.24  | 93.73                    | 92.58  | 1.16         | 1.19     | 1.17         | 1.19     |
| 33000              | 0.22                         | 0.25  | 100.62                   | 94.19  | 1.18         | 1.22     | 1.19         | 1.23     |
| 34000              | 0.23                         | 0.28  | 91.60                    | 95.31  | 1.19         | 1.24     | 1.20         | 1.25     |
| 35000              | 0.24                         | 0.27  | 98.19                    | 99.63  | 1.20         | 1.24     | 1.20         | 1.24     |
| 36000              | 0.22                         | 0.25  | 93.50                    | 104.12 | 1.17         | 1.18     | 1.16         | 1.17     |
| 37000              | 0.20                         | 0.22  | 91.69                    | 98.15  | 1.10         | 1.08     | 1.09         | 1.06     |
| 38000              | 0.20                         | 0.22  | 95.32                    | 97.47  | 1.06         | 1.00     | 1.05         | 1.01     |
| 39000              | 0.20                         | 0.22  | 103.87                   | 94.16  | 1.07         | 1.03     | 1.06         | 1.01     |
| 40000              | 0.22                         | 0.23  | 96.85                    | 103.99 | 1.09         | 1.05     | 1.10         | 1.06     |
| 41000              | 0.22                         | 0.25  | 102.86                   | 97.26  | 1.11         | 1.11     | 1.12         | 1.12     |
| 42000              | 0.23                         | 0.26  | 94.43                    | 101.56 | 1.17         | 1.18     | 1.17         | 1.19     |
| 43000              | 0.26                         | 0.28  | 109.78                   | 102.03 | 1.25         | 1.24     | 1.24         | 1.23     |
| 44000              | 0.29                         | 0.30  | 101.32                   | 97.42  | 1.27         | 1.25     | 1.26         | 1.23     |
| 45000              | 0.26                         | 0.27  | 94.26                    | 97.77  | 1.22         | 1.15     | 1.19         | 1.16     |
| 46000              | 0.22                         | 0.25  | 105.03                   | 99.02  | 1.11         | 1.03     | 1.07         | 1.07     |
| 47000              | 0.23                         | 0.28  | 102.70                   | 95.98  | 1.08         | 1.13     | 1.08         | 1.15     |
| 48000              | 0.24                         | 0.29  | 87.77                    | 94.66  | 1.17         | 1.23     | 1.15         | 1.21     |
| 49000              | 0.26                         | 0.29  | 85.19                    | 87.95  | 1.22         | 1.24     | 1.19         | 1.21     |
| 50000              | 0.30                         | 0.26  | 80.90                    | 78.84  | 1.21         | 1.18     | 1.18         | 1.16     |

