

# Loss-less Impedance Matching Pad

**BMP-EDU1913**

## Typical Performance Data

| FREQUENCY | INSERTION<br>LOSS | INPUT RETURN<br>LOSS, (50Ω) | OUTPUT RETURN<br>LOSS, (75Ω) |
|-----------|-------------------|-----------------------------|------------------------------|
| (MHz)     | (dB)              | (dB)                        | (dB)                         |
| 1.00      | 0.01              | 14.01                       | 13.96                        |
| 10.00     | 0.01              | 13.99                       | 13.99                        |
| 20.00     | 0.01              | 13.99                       | 14.01                        |
| 30.00     | 0.02              | 13.98                       | 14.04                        |
| 50.00     | 0.03              | 13.97                       | 14.10                        |
| 70.00     | 0.05              | 13.99                       | 14.17                        |
| 90.00     | 0.06              | 14.01                       | 14.25                        |
| 100.00    | 0.07              | 14.02                       | 14.28                        |
| 125.00    | 0.09              | 14.06                       | 14.39                        |
| 150.00    | 0.11              | 14.10                       | 14.51                        |
| 200.00    | 0.15              | 14.23                       | 14.78                        |
| 250.00    | 0.19              | 14.41                       | 15.12                        |
| 300.00    | 0.22              | 14.64                       | 15.51                        |
| 350.00    | 0.26              | 14.92                       | 15.94                        |
| 425.00    | 0.27              | 15.42                       | 16.68                        |
| 475.00    | 0.28              | 15.82                       | 17.23                        |
| 525.00    | 0.26              | 16.26                       | 17.82                        |
| 575.00    | 0.25              | 16.75                       | 18.45                        |
| 625.00    | 0.23              | 17.28                       | 19.14                        |
| 675.00    | 0.20              | 17.86                       | 19.80                        |
| 725.00    | 0.18              | 18.45                       | 20.41                        |
| 775.00    | 0.15              | 19.05                       | 21.00                        |
| 825.00    | 0.14              | 19.64                       | 21.45                        |
| 875.00    | 0.13              | 20.18                       | 21.74                        |
| 900.00    | 0.12              | 20.42                       | 21.81                        |
| 950.00    | 0.14              | 20.80                       | 21.84                        |
| 1000.00   | 0.13              | 21.02                       | 21.71                        |
| 1075.00   | 0.17              | 21.02                       | 21.25                        |
| 1175.00   | 0.21              | 20.45                       | 20.48                        |
| 1275.00   | 0.24              | 19.54                       | 19.65                        |
| 1325.00   | 0.24              | 19.05                       | 19.33                        |
| 1400.00   | 0.25              | 18.35                       | 18.86                        |
| 1425.00   | 0.25              | 18.13                       | 18.72                        |
| 1500.00   | 0.23              | 17.53                       | 18.42                        |
| 1550.00   | 0.25              | 17.19                       | 18.23                        |
| 1600.00   | 0.20              | 16.90                       | 18.03                        |
| 1650.00   | 0.22              | 16.67                       | 17.91                        |
| 1700.00   | 0.19              | 16.49                       | 17.80                        |
| 1750.00   | 0.21              | 16.36                       | 17.67                        |
| 1800.00   | 0.18              | 16.30                       | 17.55                        |
| 1850.00   | 0.20              | 16.29                       | 17.54                        |
| 1900.00   | 0.20              | 16.36                       | 17.54                        |
| 1950.00   | 0.21              | 16.49                       | 17.55                        |
| 2000.00   | 0.23              | 16.70                       | 17.64                        |
| 2050.00   | 0.25              | 16.98                       | 17.81                        |
| 2100.00   | 0.26              | 17.37                       | 18.02                        |
| 2150.00   | 0.28              | 17.83                       | 18.26                        |
| 2200.00   | 0.28              | 18.42                       | 18.62                        |
| 2225.00   | 0.31              | 18.76                       | 18.87                        |
| 2275.00   | 0.28              | 19.55                       | 19.38                        |
| 2300.00   | 0.27              | 19.99                       | 19.65                        |
| 2350.00   | 0.30              | 20.95                       | 20.39                        |
| 2400.00   | 0.28              | 21.96                       | 21.34                        |
| 2450.00   | 0.29              | 22.85                       | 22.46                        |
| 2500.00   | 0.27              | 23.25                       | 23.88                        |
| 2600.00   | 0.28              | 21.64                       | 27.91                        |
| 2700.00   | 0.29              | 18.33                       | 29.73                        |
| 2800.00   | 0.33              | 15.22                       | 23.22                        |
| 2900.00   | 0.45              | 12.63                       | 17.87                        |
| 3000.00   | 0.75              | 10.52                       | 13.92                        |



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