

# RF Transformer

# NCS2-ED12817/34B13

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION<br>LOSS<br>(dB) | RETURN<br>LOSS<br>(dB) |
|--------------------|---------------------------|------------------------|
| 810                | 4.96                      | 2.56                   |
| 815                | 4.88                      | 2.62                   |
| 820                | 4.80                      | 2.67                   |
| 840                | 4.49                      | 2.89                   |
| 850                | 4.35                      | 3.00                   |
| 880                | 3.92                      | 3.37                   |
| 900                | 3.65                      | 3.63                   |
| 1000               | 2.52                      | 5.23                   |
| 1100               | 1.69                      | 7.41                   |
| 1200               | 1.14                      | 10.35                  |
| 1300               | 0.81                      | 14.53                  |
| 1400               | 0.65                      | 21.04                  |
| 1450               | 0.62                      | 25.97                  |
| 1480               | 0.61                      | 28.21                  |
| 1500               | 0.61                      | 28.03                  |
| 1520               | 0.61                      | 26.65                  |
| 1540               | 0.61                      | 24.97                  |
| 1550               | 0.62                      | 24.17                  |
| 1580               | 0.63                      | 22.02                  |
| 1600               | 0.64                      | 20.84                  |
| 1620               | 0.65                      | 19.81                  |
| 1640               | 0.66                      | 18.91                  |
| 1650               | 0.66                      | 18.49                  |
| 1680               | 0.68                      | 17.39                  |
| 1700               | 0.70                      | 16.78                  |
| 1800               | 0.77                      | 14.57                  |
| 1850               | 0.81                      | 13.84                  |
| 1900               | 0.85                      | 13.27                  |
| 1950               | 0.88                      | 12.82                  |
| 2000               | 0.91                      | 12.49                  |
| 2100               | 0.96                      | 12.07                  |
| 2200               | 0.99                      | 11.91                  |
| 2300               | 1.01                      | 11.96                  |
| 2400               | 1.02                      | 12.16                  |
| 2500               | 1.02                      | 12.50                  |
| 2600               | 1.01                      | 12.98                  |
| 2700               | 1.01                      | 13.55                  |
| 2800               | 1.01                      | 14.14                  |
| 2900               | 1.01                      | 14.77                  |
| 3000               | 1.02                      | 15.27                  |
| 3100               | 1.04                      | 15.70                  |
| 3200               | 1.07                      | 15.92                  |
| 3300               | 1.11                      | 16.07                  |
| 3400               | 1.15                      | 16.05                  |
| 3500               | 1.21                      | 16.10                  |
| 3600               | 1.28                      | 16.16                  |
| 3700               | 1.37                      | 16.28                  |
| 3800               | 1.50                      | 16.24                  |
| 3900               | 1.69                      | 15.60                  |
| 4000               | 1.98                      | 13.97                  |
| 4100               | 2.43                      | 11.58                  |
| 4200               | 3.11                      | 9.04                   |
| 4300               | 4.11                      | 6.91                   |