

RF Transformer

TRS1-182-75-7+

Typical Performance Data

| FREQUENCY MHz | AVERAGE INSERTION LOSS (dB) | INPUT RETURN LOSS (dB) | AMPLITUDE UNBALANCE (dB) | PHASE UNBALANCE (deg.) |
|------------------|--------------------------------------|---------------------------------|--------------------------------|------------------------------|
| 7 | 0.69 | 9.31 | 1.03 | 10.09 |
| 10 | 0.40 | 12.17 | 0.62 | 8.22 |
| 20 | 0.20 | 18.88 | 0.22 | 4.20 |
| 30 | 0.27 | 22.90 | 0.20 | 2.50 |
| 50 | 0.33 | 26.38 | 0.21 | 1.41 |
| 70 | 0.33 | 28.58 | 0.21 | 0.99 |
| 100 | 0.34 | 31.22 | 0.20 | 0.64 |
| 150 | 0.35 | 34.88 | 0.17 | 0.39 |
| 200 | 0.34 | 35.82 | 0.16 | 0.12 |
| 300 | 0.35 | 35.53 | 0.12 | 0.07 |
| 400 | 0.37 | 33.92 | 0.07 | 0.19 |
| 450 | 0.38 | 32.08 | 0.04 | 0.17 |
| 500 | 0.39 | 30.13 | 0.00 | 0.14 |
| 550 | 0.40 | 28.64 | 0.04 | 0.12 |
| 600 | 0.41 | 27.88 | 0.08 | 0.12 |
| 700 | 0.43 | 26.41 | 0.15 | 0.03 |
| 800 | 0.46 | 24.52 | 0.24 | 0.27 |
| 900 | 0.48 | 23.74 | 0.34 | 0.58 |
| 950 | 0.49 | 23.50 | 0.39 | 0.71 |
| 1000 | 0.50 | 23.13 | 0.44 | 0.91 |
| 1050 | 0.52 | 22.56 | 0.49 | 1.14 |
| 1100 | 0.53 | 22.22 | 0.55 | 1.36 |
| 1150 | 0.54 | 22.21 | 0.60 | 1.59 |
| 1200 | 0.55 | 22.28 | 0.66 | 1.87 |
| 1220 | 0.55 | 22.30 | 0.68 | 1.99 |
| 1250 | 0.56 | 22.27 | 0.71 | 2.22 |
| 1300 | 0.57 | 22.03 | 0.76 | 2.56 |
| 1400 | 0.59 | 21.75 | 0.86 | 3.34 |
| 1500 | 0.61 | 22.12 | 0.96 | 4.32 |
| 1600 | 0.63 | 21.85 | 1.04 | 5.39 |
| 1700 | 0.66 | 21.90 | 1.11 | 6.57 |
| 1750 | 0.67 | 22.24 | 1.13 | 7.22 |
| 1800 | 0.68 | 22.28 | 1.14 | 7.84 |
| 1850 | 0.69 | 22.11 | 1.15 | 8.59 |
| 1900 | 0.71 | 21.88 | 1.15 | 9.24 |
| 1950 | 0.73 | 21.86 | 1.16 | 9.90 |
| 2000 | 0.75 | 21.96 | 1.15 | 10.61 |