

Directional Coupler

ADC-12-7550+

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | COUPLING (dB) | DIRECTIVITY (dB) | RETURN LOSS | | |
|--------------------|---------------------------|------------------|---------------------|-------------|-------------|-------|
| | | | | IN (dB) | OUT (dB) | CPL |
| 0.3 | 1.00 | 12.38 | 13.18 | 14.05 | 15.55 | 18.07 |
| 0.4 | 0.94 | 12.34 | 13.10 | 15.39 | 17.60 | 19.72 |
| 0.5 | 0.91 | 12.32 | 13.05 | 16.22 | 19.07 | 20.83 |
| 0.6 | 0.88 | 12.30 | 13.02 | 16.78 | 20.18 | 21.63 |
| 0.7 | 0.87 | 12.29 | 13.00 | 17.18 | 21.05 | 22.24 |
| 0.8 | 0.85 | 12.28 | 12.99 | 17.49 | 21.76 | 22.73 |
| 0.9 | 0.84 | 12.28 | 12.99 | 17.73 | 22.35 | 23.13 |
| 1.0 | 0.82 | 12.27 | 12.98 | 17.94 | 22.86 | 23.47 |
| 2.0 | 0.72 | 12.21 | 12.99 | 19.26 | 26.34 | 25.55 |
| 3.0 | 0.66 | 12.17 | 12.99 | 19.99 | 28.71 | 26.69 |
| 4.0 | 0.63 | 12.15 | 12.98 | 20.42 | 30.59 | 27.40 |
| 5.0 | 0.62 | 12.14 | 12.98 | 20.67 | 32.11 | 27.86 |
| 30.0 | 0.61 | 12.14 | 12.91 | 21.27 | 38.96 | 28.26 |
| 45.0 | 0.63 | 12.16 | 12.88 | 21.27 | 36.89 | 27.24 |
| 50.0 | 0.63 | 12.17 | 12.85 | 21.26 | 36.28 | 26.86 |
| 124.0 | 0.68 | 12.25 | 12.65 | 21.67 | 30.63 | 21.83 |
| 198.0 | 0.71 | 12.34 | 12.45 | 21.87 | 26.75 | 18.45 |
| 272.0 | 0.73 | 12.44 | 12.22 | 21.77 | 24.00 | 16.13 |
| 346.0 | 0.74 | 12.55 | 12.00 | 21.52 | 22.05 | 14.42 |
| 420.0 | 0.76 | 12.65 | 11.82 | 20.91 | 20.71 | 13.09 |
| 480.0 | 0.77 | 12.73 | 11.68 | 20.15 | 19.77 | 12.23 |
| 540.0 | 0.79 | 12.79 | 11.57 | 19.83 | 19.25 | 11.53 |
| 600.0 | 0.80 | 12.84 | 11.41 | 19.58 | 18.91 | 10.92 |
| 675.0 | 0.81 | 12.91 | 11.30 | 19.50 | 18.71 | 10.32 |
| 750.0 | 0.85 | 12.98 | 11.25 | 19.56 | 18.64 | 9.82 |
| 800.0 | 0.87 | 13.02 | 11.16 | 19.81 | 18.63 | 9.57 |
| 850.0 | 0.92 | 13.06 | 11.11 | 19.94 | 18.63 | 9.32 |
| 900.0 | 0.96 | 13.09 | 10.99 | 20.08 | 18.64 | 9.14 |
| 950.0 | 1.02 | 13.13 | 10.89 | 20.00 | 18.61 | 8.95 |
| 1045.0 | 1.13 | 13.17 | 10.58 | 19.34 | 18.34 | 8.69 |
| 1140.0 | 1.28 | 13.21 | 10.19 | 17.97 | 17.68 | 8.51 |
| 1226.0 | 1.45 | 13.24 | 9.76 | 16.64 | 16.97 | 8.37 |
| 1312.0 | 1.67 | 13.30 | 9.33 | 15.27 | 16.19 | 8.26 |
| 1398.0 | 1.95 | 13.40 | 8.94 | 13.93 | 15.57 | 8.15 |
| 1484.0 | 2.27 | 13.53 | 8.63 | 12.75 | 15.09 | 8.05 |
| 1570.0 | 2.59 | 13.64 | 8.50 | 11.67 | 14.86 | 7.94 |
| 1656.0 | 2.96 | 13.79 | 8.55 | 10.58 | 14.79 | 7.78 |
| 1742.0 | 3.39 | 14.02 | 8.79 | 9.49 | 14.90 | 7.61 |
| 1828.0 | 3.93 | 14.39 | 9.26 | 8.56 | 15.30 | 7.44 |
| 1914.0 | 4.66 | 15.09 | 9.83 | 7.68 | 16.21 | 7.32 |
| 2000.0 | 5.62 | 16.42 | 9.72 | 6.85 | 18.02 | 7.30 |

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