

Bi-Directional Coupler

ADCB-20-82+

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS (dB) | COUPLING (dB) | | DIRECTIVITY (dB) | | RETURN LOSS (dB) | | | |
|----------------|---------------------------|------------------|---------|---------------------|---------|---------------------|-------|-------|-------|
| | | IN-FWD | OUT-REV | IN-REV | OUT-FWD | IN | OUT | FWD | REV |
| 0.5 | 0.32 | 19.94 | 20.59 | 16.26 | 21.65 | 23.66 | 24.04 | 21.17 | 21.51 |
| 0.6 | 0.31 | 19.94 | 20.57 | 16.56 | 22.44 | 24.63 | 25.15 | 22.08 | 22.51 |
| 0.7 | 0.30 | 19.95 | 20.55 | 16.70 | 22.69 | 25.41 | 26.03 | 22.81 | 23.30 |
| 0.8 | 0.29 | 19.95 | 20.53 | 16.88 | 22.97 | 26.02 | 26.77 | 23.41 | 23.98 |
| 0.9 | 0.29 | 19.95 | 20.51 | 17.04 | 23.15 | 26.55 | 27.40 | 23.91 | 24.56 |
| 1.0 | 0.28 | 19.95 | 20.51 | 17.11 | 23.31 | 26.99 | 27.95 | 24.36 | 25.10 |
| 3.0 | 0.20 | 19.96 | 20.32 | 18.05 | 22.76 | 31.53 | 33.76 | 28.96 | 30.66 |
| 5.0 | 0.18 | 19.96 | 20.26 | 18.23 | 22.64 | 33.33 | 36.56 | 30.77 | 33.21 |
| 7.0 | 0.17 | 19.96 | 20.24 | 18.31 | 22.53 | 34.26 | 38.32 | 31.63 | 34.62 |
| 9.0 | 0.17 | 19.97 | 20.23 | 18.31 | 22.51 | 34.79 | 39.26 | 32.06 | 35.43 |
| 10.0 | 0.17 | 19.96 | 20.24 | 18.36 | 22.52 | 34.90 | 39.65 | 32.20 | 35.65 |
| 50.0 | 0.20 | 19.97 | 20.27 | 18.25 | 22.96 | 33.92 | 37.31 | 31.06 | 33.96 |
| 100.0 | 0.22 | 19.99 | 20.32 | 18.07 | 23.46 | 30.86 | 32.63 | 28.26 | 30.05 |
| 200.0 | 0.26 | 20.04 | 20.44 | 17.77 | 24.59 | 26.30 | 27.16 | 23.89 | 24.84 |
| 300.0 | 0.29 | 20.05 | 20.60 | 17.37 | 27.22 | 23.20 | 23.83 | 20.81 | 21.49 |
| 400.0 | 0.32 | 20.02 | 20.76 | 16.86 | 32.20 | 21.06 | 21.55 | 18.72 | 19.23 |
| 500.0 | 0.37 | 19.92 | 20.90 | 16.33 | 33.83 | 19.37 | 19.85 | 17.25 | 17.50 |
| 600.0 | 0.42 | 19.76 | 20.95 | 15.87 | 24.49 | 17.94 | 18.54 | 16.02 | 16.09 |
| 700.0 | 0.48 | 19.66 | 20.81 | 15.83 | 19.60 | 16.69 | 17.53 | 15.18 | 14.93 |
| 750.0 | 0.53 | 19.64 | 20.73 | 15.58 | 17.60 | 16.13 | 17.12 | 14.80 | 14.41 |
| 800.0 | 0.57 | 19.64 | 20.63 | 15.21 | 15.95 | 15.57 | 16.79 | 14.51 | 13.99 |
| 850.0 | 0.63 | 19.70 | 20.54 | 14.56 | 14.55 | 15.02 | 16.48 | 14.15 | 13.54 |
| 900.0 | 0.67 | 19.79 | 20.48 | 13.88 | 13.41 | 14.50 | 16.19 | 13.93 | 13.18 |
| 925.0 | 0.70 | 19.86 | 20.46 | 13.52 | 12.96 | 14.25 | 16.06 | 13.73 | 13.00 |
| 950.0 | 0.73 | 19.94 | 20.44 | 13.11 | 12.60 | 14.00 | 15.91 | 13.48 | 12.81 |
| 975.0 | 0.76 | 20.03 | 20.43 | 12.74 | 12.32 | 13.76 | 15.77 | 13.28 | 12.66 |
| 1000.0 | 0.78 | 20.11 | 20.42 | 12.43 | 12.06 | 13.54 | 15.61 | 13.11 | 12.51 |