

# Directional Coupler

# ZUDC15-02183-S+

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION<br>LOSS<br>(dB) | COUPLING<br>(dB) | DIRECTIVITY<br>(dB) | RETURN LOSS<br>(dB) |       |       |
|--------------------|---------------------------|------------------|---------------------|---------------------|-------|-------|
|                    |                           |                  |                     | IN                  | OUT   | CPL   |
| 2000               | 0.12                      | 14.70            | 31.39               | 34.15               | 36.68 | 26.39 |
| 2640               | 0.13                      | 14.83            | 25.70               | 33.22               | 31.97 | 31.89 |
| 3280               | 0.17                      | 14.80            | 26.59               | 25.79               | 25.44 | 23.07 |
| 3920               | 0.18                      | 14.84            | 45.90               | 30.95               | 30.86 | 33.66 |
| 4560               | 0.21                      | 14.92            | 23.02               | 24.66               | 24.32 | 21.70 |
| 5200               | 0.21                      | 14.77            | 19.00               | 23.08               | 23.10 | 22.85 |
| 5840               | 0.22                      | 14.87            | 28.22               | 28.29               | 29.16 | 23.47 |
| 6480               | 0.27                      | 14.82            | 20.60               | 20.83               | 20.34 | 25.18 |
| 7120               | 0.23                      | 14.63            | 19.24               | 28.57               | 28.45 | 23.16 |
| 7760               | 0.28                      | 14.72            | 36.24               | 20.97               | 21.68 | 31.51 |
| 8400               | 0.25                      | 14.70            | 19.81               | 34.88               | 29.08 | 21.97 |
| 9040               | 0.30                      | 14.78            | 28.32               | 19.38               | 19.75 | 26.70 |
| 9680               | 0.26                      | 14.85            | 22.67               | 29.04               | 33.58 | 19.20 |
| 10320              | 0.33                      | 14.83            | 20.88               | 19.18               | 19.30 | 24.29 |
| 10960              | 0.33                      | 14.72            | 23.65               | 23.51               | 26.53 | 18.68 |
| 11600              | 0.36                      | 14.78            | 23.94               | 20.32               | 20.22 | 25.61 |
| 12240              | 0.38                      | 14.86            | 18.18               | 21.62               | 20.97 | 21.67 |
| 12880              | 0.39                      | 14.82            | 21.43               | 23.29               | 20.44 | 31.17 |
| 13520              | 0.40                      | 14.95            | 23.82               | 21.99               | 23.97 | 49.03 |
| 14160              | 0.33                      | 14.87            | 23.58               | 33.94               | 32.20 | 25.55 |
| 14800              | 0.38                      | 14.89            | 19.93               | 23.03               | 19.95 | 23.36 |
| 15440              | 0.35                      | 14.86            | 17.77               | 26.66               | 34.12 | 19.65 |
| 16080              | 0.44                      | 14.96            | 26.78               | 25.00               | 25.78 | 26.92 |
| 16720              | 0.45                      | 15.04            | 24.57               | 21.68               | 19.72 | 18.90 |
| 17360              | 0.53                      | 15.08            | 16.31               | 24.29               | 20.23 | 25.97 |
| 18000              | 0.48                      | 15.18            | 21.92               | 20.98               | 24.62 | 20.04 |