

Directional Coupler

ZCDC20-K0244+

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | COUPLING (dB) | DIRECTIVITY (dB) | RETURN LOSS (dB) | | |
|--------------------|---------------------------|------------------|---------------------|---------------------|-------|-------|
| | | | | IN | OUT | CPL |
| 1000 | 0.14 | 22.13 | 33.11 | 41.53 | 40.75 | 44.77 |
| 2000 | 0.21 | 19.41 | 36.50 | 37.43 | 35.08 | 39.28 |
| 3000 | 0.24 | 19.76 | 31.70 | 30.72 | 30.43 | 32.40 |
| 4000 | 0.27 | 19.47 | 26.04 | 42.59 | 40.03 | 44.52 |
| 5000 | 0.31 | 19.61 | 49.96 | 25.85 | 25.92 | 26.46 |
| 6000 | 0.33 | 19.86 | 24.89 | 33.54 | 32.91 | 32.10 |
| 8000 | 0.39 | 19.86 | 38.17 | 27.01 | 26.88 | 28.47 |
| 9000 | 0.40 | 19.75 | 28.49 | 41.84 | 39.38 | 52.33 |
| 10000 | 0.43 | 19.65 | 31.29 | 28.02 | 27.36 | 42.66 |
| 11000 | 0.45 | 19.78 | 25.87 | 32.11 | 31.49 | 33.17 |
| 12000 | 0.47 | 19.64 | 26.48 | 33.27 | 32.81 | 28.90 |
| 13000 | 0.50 | 19.76 | 24.11 | 29.13 | 26.99 | 36.31 |
| 14000 | 0.52 | 19.87 | 25.58 | 37.86 | 40.02 | 28.33 |
| 15000 | 0.54 | 19.90 | 24.88 | 28.88 | 30.15 | 24.32 |
| 16000 | 0.56 | 19.99 | 22.96 | 34.36 | 32.33 | 25.87 |
| 17000 | 0.59 | 19.84 | 26.55 | 29.52 | 32.07 | 25.19 |
| 18000 | 0.61 | 19.85 | 20.86 | 35.09 | 31.72 | 22.26 |
| 19000 | 0.63 | 19.77 | 36.62 | 28.84 | 30.01 | 26.66 |
| 20000 | 0.66 | 19.73 | 19.91 | 34.14 | 31.54 | 24.10 |
| 21000 | 0.70 | 19.91 | 31.26 | 30.41 | 27.44 | 22.79 |
| 22000 | 0.73 | 19.87 | 21.84 | 28.11 | 32.74 | 29.68 |
| 23000 | 0.75 | 19.91 | 21.73 | 29.85 | 26.93 | 29.39 |
| 24000 | 0.73 | 20.05 | 29.90 | 28.95 | 34.78 | 22.68 |
| 25000 | 0.74 | 19.88 | 18.43 | 26.36 | 30.24 | 24.52 |
| 26000 | 0.76 | 19.99 | 27.91 | 30.00 | 38.72 | 23.68 |
| 27000 | 0.78 | 20.03 | 17.32 | 28.73 | 33.21 | 19.40 |
| 28000 | 0.81 | 20.02 | 28.27 | 31.45 | 30.57 | 24.57 |
| 29000 | 0.84 | 20.07 | 18.05 | 28.28 | 30.52 | 22.99 |
| 30000 | 0.88 | 20.00 | 25.65 | 24.34 | 23.74 | 25.52 |
| 31000 | 0.89 | 19.99 | 21.10 | 27.00 | 27.09 | 22.93 |
| 32000 | 0.95 | 19.97 | 21.14 | 21.73 | 21.32 | 27.63 |
| 33000 | 0.96 | 20.02 | 23.40 | 25.55 | 24.78 | 20.81 |
| 34000 | 0.99 | 20.16 | 20.03 | 22.25 | 22.38 | 20.64 |
| 35000 | 0.99 | 20.08 | 20.89 | 26.96 | 25.86 | 24.20 |
| 36000 | 1.02 | 20.00 | 23.21 | 28.67 | 28.55 | 19.41 |
| 37000 | 1.04 | 20.04 | 18.78 | 31.47 | 29.72 | 25.23 |
| 38000 | 1.07 | 19.90 | 25.23 | 29.91 | 31.35 | 22.05 |
| 39000 | 1.16 | 19.92 | 23.00 | 30.14 | 30.63 | 24.66 |
| 40000 | 1.15 | 19.76 | 19.72 | 22.46 | 22.24 | 22.12 |