

Directional Coupler

ZCDC16-K0244+

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS ⁽¹⁾ (dB) | COUPLING (dB) | DIRECTIVITY (dB) | RETURN LOSS (dB) | | |
|----------------|--|------------------|---------------------|---------------------|-------|-------|
| | | | | IN | OUT | CPL |
| 1000 | 0.26 | 19.75 | 25.40 | 26.09 | 25.49 | 25.86 |
| 2000 | 0.37 | 16.05 | 33.54 | 34.98 | 31.14 | 30.65 |
| 3000 | 0.43 | 15.93 | 27.47 | 24.67 | 24.94 | 26.07 |
| 4000 | 0.46 | 16.26 | 26.87 | 27.53 | 27.59 | 32.14 |
| 5000 | 0.51 | 15.91 | 26.53 | 24.20 | 24.28 | 22.91 |
| 6000 | 0.54 | 15.91 | 30.82 | 26.25 | 25.67 | 31.27 |
| 8000 | 0.62 | 16.03 | 21.77 | 23.27 | 23.45 | 21.29 |
| 9000 | 0.63 | 15.87 | 22.39 | 32.46 | 31.67 | 23.88 |
| 10000 | 0.67 | 16.16 | 17.83 | 24.30 | 24.51 | 18.27 |
| 11000 | 0.70 | 16.22 | 30.69 | 24.72 | 25.03 | 28.68 |
| 12000 | 0.72 | 16.30 | 18.24 | 33.26 | 32.72 | 19.12 |
| 13000 | 0.78 | 16.18 | 25.14 | 23.99 | 24.75 | 22.21 |
| 14000 | 0.79 | 16.01 | 25.13 | 31.60 | 31.64 | 23.95 |
| 15000 | 0.83 | 15.90 | 23.19 | 36.51 | 40.89 | 22.66 |
| 16000 | 0.88 | 16.04 | 22.03 | 23.60 | 24.61 | 27.80 |
| 17000 | 0.88 | 16.19 | 32.79 | 28.61 | 27.54 | 26.74 |
| 18000 | 0.92 | 16.19 | 19.39 | 26.28 | 29.04 | 24.00 |
| 19000 | 0.97 | 15.95 | 28.07 | 22.40 | 21.70 | 53.50 |
| 20000 | 0.97 | 16.04 | 21.41 | 53.64 | 39.91 | 21.32 |
| 21000 | 1.01 | 16.27 | 27.22 | 23.68 | 23.57 | 26.43 |
| 22000 | 1.02 | 16.46 | 29.04 | 25.70 | 25.09 | 27.26 |
| 23000 | 1.03 | 16.41 | 24.91 | 41.18 | 35.30 | 23.55 |
| 24000 | 1.08 | 16.60 | 24.40 | 23.23 | 23.48 | 27.72 |
| 25000 | 1.10 | 16.47 | 20.31 | 23.31 | 23.20 | 25.65 |
| 26000 | 1.15 | 16.23 | 20.85 | 21.33 | 22.68 | 23.78 |
| 27000 | 1.17 | 16.04 | 18.05 | 21.70 | 21.55 | 20.34 |
| 28000 | 1.18 | 16.07 | 19.21 | 24.61 | 26.52 | 22.19 |
| 29000 | 1.23 | 16.06 | 16.21 | 21.90 | 21.26 | 15.43 |
| 30000 | 1.24 | 16.08 | 16.49 | 29.16 | 28.78 | 17.73 |
| 31000 | 1.28 | 15.96 | 14.85 | 25.92 | 23.78 | 15.19 |
| 32000 | 1.29 | 15.73 | 16.00 | 33.44 | 31.72 | 16.94 |
| 33000 | 1.32 | 15.76 | 14.25 | 32.04 | 29.62 | 14.12 |
| 34000 | 1.40 | 15.92 | 16.92 | 32.21 | 29.04 | 16.74 |
| 35000 | 1.40 | 16.05 | 14.24 | 30.06 | 28.89 | 15.72 |
| 36000 | 1.44 | 15.90 | 16.54 | 23.23 | 23.14 | 17.43 |
| 37000 | 1.43 | 16.10 | 16.21 | 27.09 | 30.85 | 20.88 |
| 38000 | 1.53 | 16.37 | 22.31 | 21.52 | 21.87 | 17.78 |
| 39000 | 1.51 | 16.14 | 18.31 | 24.79 | 28.17 | 21.02 |
| 40000 | 1.51 | 16.14 | 20.28 | 25.86 | 26.78 | 20.46 |

⁽¹⁾ Mainline loss includes coupling loss