

Directional Coupler

ZCDC10-V654+

Typical Performance Data

| FREQ. (MHz) | INSERTION LOSS ⁽¹⁾ (dB) | COUPLING (dB) | DIRECTIVITY (dB) | RETURN LOSS (dB) | | |
|----------------|--|------------------|---------------------|---------------------|-------|-------|
| | | | | IN | OUT | CPL |
| 5000 | 0.70 | 10.04 | 31.43 | 25.95 | 25.60 | 26.42 |
| 5200 | 0.70 | 9.98 | 31.77 | 27.67 | 27.63 | 26.47 |
| 5400 | 0.71 | 9.93 | 32.29 | 30.08 | 30.98 | 26.79 |
| 5600 | 0.71 | 9.89 | 32.79 | 33.08 | 37.26 | 27.32 |
| 5800 | 0.72 | 9.87 | 33.33 | 34.38 | 42.53 | 28.19 |
| 6000 | 0.73 | 9.85 | 33.88 | 31.64 | 32.93 | 29.33 |
| 7000 | 0.78 | 9.84 | 38.93 | 23.83 | 22.44 | 30.62 |
| 8000 | 0.77 | 9.88 | 41.54 | 34.40 | 31.40 | 25.31 |
| 9000 | 0.83 | 9.84 | 26.94 | 21.89 | 21.63 | 28.52 |
| 10000 | 0.89 | 9.84 | 21.07 | 18.61 | 18.47 | 31.60 |
| 11000 | 0.86 | 9.73 | 19.24 | 27.81 | 27.19 | 23.59 |
| 12000 | 0.89 | 9.77 | 20.50 | 21.89 | 22.90 | 27.30 |
| 13000 | 0.93 | 9.87 | 23.12 | 19.31 | 19.08 | 24.54 |
| 14000 | 0.89 | 9.88 | 22.34 | 32.56 | 27.72 | 24.06 |
| 15000 | 0.93 | 9.91 | 23.32 | 20.95 | 20.67 | 25.88 |
| 16000 | 0.96 | 9.98 | 31.54 | 19.60 | 18.89 | 22.29 |
| 17000 | 0.91 | 9.95 | 32.02 | 36.09 | 34.41 | 34.98 |
| 18000 | 0.99 | 9.98 | 24.76 | 19.20 | 18.59 | 20.79 |
| 19000 | 1.02 | 10.22 | 18.75 | 17.59 | 17.39 | 18.54 |
| 20000 | 0.98 | 9.98 | 15.44 | 31.58 | 26.59 | 27.50 |
| 21000 | 1.03 | 10.17 | 15.61 | 18.31 | 19.85 | 20.75 |
| 22000 | 1.14 | 10.11 | 19.58 | 15.40 | 15.31 | 19.68 |
| 23000 | 1.06 | 9.89 | 22.59 | 23.74 | 22.66 | 26.13 |
| 24000 | 1.10 | 9.82 | 24.56 | 20.57 | 20.25 | 36.78 |
| 25000 | 1.19 | 9.86 | 24.34 | 16.67 | 16.03 | 20.05 |
| 26000 | 1.11 | 9.90 | 18.30 | 24.13 | 23.14 | 16.92 |
| 27000 | 1.17 | 9.58 | 18.00 | 22.42 | 19.95 | 23.11 |
| 28000 | 1.17 | 9.75 | 21.76 | 20.85 | 21.20 | 25.30 |
| 29000 | 1.14 | 9.73 | 21.90 | 39.30 | 43.87 | 20.27 |
| 30000 | 1.21 | 9.83 | 21.84 | 21.19 | 21.10 | 24.51 |
| 31000 | 1.23 | 9.89 | 20.87 | 20.12 | 19.47 | 25.41 |
| 32000 | 1.19 | 9.88 | 18.64 | 28.86 | 26.05 | 29.17 |
| 33000 | 1.19 | 10.08 | 22.87 | 24.54 | 26.45 | 23.96 |
| 34000 | 1.27 | 10.23 | 22.05 | 17.51 | 17.66 | 16.61 |
| 35000 | 1.27 | 10.23 | 13.35 | 18.85 | 20.15 | 18.67 |
| 36000 | 1.35 | 9.77 | 12.49 | 37.75 | 23.11 | 22.13 |
| 37000 | 1.33 | 10.28 | 14.79 | 17.20 | 17.97 | 16.47 |
| 38000 | 1.34 | 10.09 | 22.13 | 18.34 | 17.99 | 18.63 |
| 39000 | 1.32 | 10.16 | 22.53 | 25.00 | 23.78 | 21.80 |
| 40000 | 1.50 | 9.95 | 21.88 | 14.81 | 14.50 | 17.04 |
| 42000 | 1.48 | 9.81 | 21.76 | 20.31 | 20.81 | 27.31 |
| 44000 | 1.51 | 9.67 | 15.45 | 20.09 | 23.13 | 25.18 |
| 46000 | 1.58 | 9.67 | 15.87 | 18.35 | 19.34 | 20.99 |
| 48000 | 1.60 | 9.64 | 21.62 | 19.93 | 20.06 | 24.33 |
| 50000 | 1.72 | 9.50 | 14.57 | 23.36 | 22.17 | 15.79 |

⁽¹⁾ Mainline loss includes coupling loss