

Directional Coupler

ZCDC10-V254+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
2000	0.73	10.57	40.06	29.53	35.46	30.46
3000	0.73	10.75	37.44	46.83	31.95	54.60
4000	0.77	10.58	35.81	32.40	32.15	30.59
5000	0.81	10.51	41.80	29.62	28.93	35.07
6000	0.86	10.32	30.67	27.92	28.51	28.72
7000	0.88	10.27	30.32	31.51	30.92	31.75
8000	0.90	10.35	38.92	29.64	30.48	29.76
9000	0.94	10.07	24.65	40.91	36.26	33.51
10000	0.97	9.99	35.23	41.14	41.31	32.34
13000	0.99	10.31	33.08	34.11	31.73	33.19
14000	1.02	10.23	38.64	35.20	34.04	33.57
15000	1.04	10.27	33.00	37.06	34.58	38.18
16000	1.08	10.13	30.70	37.27	39.00	26.32
17000	1.11	10.09	25.38	42.53	34.57	31.21
18000	1.13	10.16	27.57	34.12	34.35	24.57
19000	1.16	10.13	22.11	41.37	33.02	25.47
20000	1.16	10.30	28.34	41.14	35.81	23.71
21000	1.19	10.33	20.24	36.37	38.95	22.73
22000	1.21	10.31	29.61	42.79	36.87	27.85
23000	1.24	10.37	21.79	28.82	31.37	23.30
24000	1.27	10.27	32.79	31.42	32.18	25.28
25000	1.29	10.28	38.06	32.50	34.92	36.13
26000	1.33	10.17	31.18	29.26	27.72	38.04
27000	1.35	10.12	22.78	29.36	32.20	29.50
28000	1.38	10.11	23.98	28.04	31.24	17.59
29000	1.44	10.04	18.51	21.40	22.29	28.52
30000	1.42	10.12	22.07	29.41	34.79	18.50
31000	1.47	10.19	18.95	21.84	21.91	20.02
32000	1.43	10.35	24.66	36.92	33.48	26.98
33000	1.42	10.76	22.34	29.83	28.18	22.08
34000	1.46	10.80	35.96	26.97	26.30	36.76
35000	1.47	10.85	32.53	25.22	24.78	27.07
36000	1.50	10.55	23.86	39.57	32.91	23.13
37000	1.58	10.40	27.99	21.39	20.99	21.01
38000	1.59	10.39	21.12	26.95	24.22	27.48
39000	1.58	10.53	19.88	26.35	24.01	17.27
40000	1.63	10.51	21.28	21.28	20.95	21.61
41000	1.68	10.09	18.20	35.84	23.75	22.38
42000	1.75	10.12	17.59	18.42	20.07	16.37
43000	1.80	9.77	19.98	20.90	20.77	25.46
44000	1.80	9.96	18.73	20.84	22.64	19.85
45000	1.89	10.10	20.12	19.49	19.00	21.27
46000	1.81	9.88	21.91	31.04	36.63	26.66
47000	1.88	9.88	21.19	22.13	20.64	37.01
48000	1.88	9.90	26.80	26.80	27.73	29.31
49000	1.86	10.08	22.67	29.92	26.93	22.43
50000	1.90	10.15	21.08	25.05	38.88	32.01

⁽¹⁾ Mainline loss includes coupling loss