

Directional Coupler

ZCDC10-V1854+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				(dB)		
				IN	OUT	CPL
10000	0.74	10.53	20.85	23.97	24.42	42.84
12000	0.76	10.52	25.68	26.19	25.27	25.49
13000	0.79	10.58	36.86	22.91	22.13	36.82
14000	0.78	10.61	29.39	31.04	29.13	26.83
15000	0.79	10.61	25.71	28.73	28.49	23.91
16000	0.82	10.52	25.87	23.52	22.96	24.96
17000	0.82	10.46	33.53	27.34	27.68	40.49
18000	0.83	10.43	20.50	27.69	28.33	22.69
19000	0.86	10.54	15.21	22.37	25.57	18.76
20000	0.88	10.42	14.96	28.27	29.96	23.47
21000	0.91	10.48	20.35	24.86	26.25	23.17
22000	1.01	10.43	29.70	18.03	18.10	18.66
23000	1.01	10.28	21.48	20.62	21.33	23.86
24000	0.99	10.15	23.07	35.04	27.20	32.18
25000	1.08	10.09	23.72	20.29	18.10	25.34
26000	1.07	10.25	23.66	20.69	19.46	17.52
27000	1.04	10.18	25.27	32.00	29.82	18.35
28000	1.08	10.12	17.16	25.39	29.91	34.29
29000	1.08	10.15	15.13	26.77	26.77	16.33
30000	1.08	10.30	19.11	37.07	33.63	17.00
31000	1.11	10.33	29.34	24.32	24.18	35.71
32000	1.11	10.40	18.34	25.33	27.40	21.56
33000	1.12	10.40	18.63	29.01	28.48	22.04
34000	1.20	10.43	18.56	18.73	18.60	20.22
35000	1.24	10.49	16.39	16.95	18.07	21.98
36000	1.20	10.34	18.40	25.75	32.00	23.98
37000	1.24	10.49	19.29	20.07	19.36	14.99
38000	1.39	10.00	14.86	17.04	14.98	18.79
39000	1.29	10.27	15.22	25.83	22.38	18.24
40000	1.31	10.49	31.28	18.92	20.26	13.42
41000	1.35	10.28	16.71	19.42	23.03	19.16
42000	1.38	9.87	13.04	34.84	24.22	22.84
43000	1.43	10.21	14.50	18.44	18.95	17.25
44000	1.44	10.19	18.61	18.96	20.99	23.20
45000	1.45	10.11	18.18	24.06	23.87	23.09
46000	1.48	10.06	22.33	19.83	18.72	28.53
47000	1.51	10.01	24.91	20.74	20.58	27.93
48000	1.49	10.00	17.83	30.26	31.58	24.87
49000	1.53	10.01	19.54	29.93	24.23	22.38
50000	1.63	10.13	29.55	26.33	24.14	19.63

⁽¹⁾ Mainline loss includes coupling loss