

# Directional Coupler

# ZCDC10-E2653+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
1000	0.57	13.92	34.34	23.14	28.93	27.63
2000	0.69	11.02	30.51	24.89	33.43	27.41
4000	0.75	10.35	23.94	46.14	34.33	30.09
6000	0.83	10.00	25.36	28.61	28.87	28.36
8000	0.87	10.03	24.21	31.06	31.07	24.79
10000	0.92	9.89	26.34	36.54	33.48	27.63
12000	0.93	10.20	30.44	27.52	30.26	29.25
14000	0.95	10.34	24.21	28.08	31.01	25.59
16000	1.00	10.29	21.42	29.31	30.29	43.08
18000	1.03	10.36	20.30	28.44	27.26	20.40
20000	1.06	10.52	21.76	25.78	25.26	19.56
22000	1.11	10.40	27.70	27.78	27.40	43.35
24000	1.17	10.32	30.27	26.06	30.58	19.17
26000	1.21	10.38	26.11	23.87	26.91	22.12
28000	1.23	10.57	19.63	26.18	26.99	27.22
30000	1.22	10.90	18.07	28.75	31.22	18.35
32000	1.29	10.72	20.87	30.63	31.25	18.75
34000	1.38	10.49	32.56	26.02	24.60	28.58
36000	1.42	10.59	21.20	20.37	21.04	29.00
38000	1.49	10.66	17.70	19.30	20.13	30.75
40000	1.51	10.47	20.39	21.29	21.36	26.12
42000	1.51	10.54	33.03	25.14	23.87	28.36
44000	1.51	10.81	22.97	29.36	25.46	32.93
46000	1.58	10.55	17.82	34.25	25.64	31.05
48000	1.68	10.66	15.41	20.00	21.41	36.36
50000	1.84	10.72	14.66	16.71	17.45	21.09
52000	1.81	10.81	18.20	20.92	19.18	15.94
54000	1.77	10.92	39.80	30.49	25.74	24.14
56000	1.87	10.80	23.67	18.57	19.15	20.48
58000	1.99	10.74	17.53	18.14	18.62	18.66
60000	2.14	10.41	16.38	22.13	19.19	24.58
62500	2.10	10.87	16.08	19.11	18.90	18.81
65000	2.29	10.57	13.44	14.32	15.62	22.42
66000	2.21	10.69	12.96	19.75	25.75	13.97
67000	2.82	10.70	11.37	9.96	11.54	19.04

<sup>(1)</sup> Mainline loss includes coupling loss