

# Directional Coupler

# ZCDC13-V24443+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
24000	0.76	13.00	30.11	40.21	37.33	35.97
24500	0.78	13.04	31.12	24.09	23.56	36.95
25000	0.82	13.11	31.39	20.04	19.55	34.32
25500	0.83	13.18	32.55	19.13	18.72	28.85
26000	0.82	13.25	33.38	20.65	20.07	24.48
26500	0.79	13.34	35.56	24.88	23.74	23.05
27000	0.81	13.43	37.81	29.21	26.49	23.89
27500	0.80	13.41	52.49	25.01	24.15	27.39
28000	0.82	13.40	36.47	23.44	22.86	34.24
28500	0.83	13.38	31.04	24.98	24.51	34.54
29000	0.82	13.30	29.46	31.20	29.42	33.11
29500	0.83	13.25	31.56	40.55	34.03	40.66
30000	0.84	13.23	41.47	27.46	26.87	35.31
30500	0.87	13.22	30.62	23.91	23.29	27.02
31000	0.88	13.25	24.36	23.38	22.81	24.14
31500	0.88	13.31	21.51	24.71	24.90	23.49
32000	0.87	13.37	20.55	28.58	30.29	25.04
32500	0.87	13.42	21.02	31.07	38.32	29.78
33000	0.91	13.42	23.00	25.99	27.39	36.39
33500	0.92	13.49	27.73	21.96	21.29	27.72
34000	0.95	13.50	32.09	19.59	18.57	25.00
34500	0.98	13.46	29.35	18.50	17.75	25.80
35000	0.99	13.40	26.52	18.92	18.66	27.38
35500	0.97	13.30	25.22	21.59	21.91	23.63
36000	0.97	13.22	25.11	30.46	31.41	21.07
36500	0.98	13.13	25.40	30.08	27.94	22.30
37000	1.02	13.08	28.49	20.91	19.83	30.15
37500	1.08	13.06	42.10	17.73	16.90	24.53
38000	1.09	13.17	24.24	17.44	16.98	18.24
38500	1.08	13.21	18.59	19.90	19.76	16.50
39000	1.05	13.02	15.77	27.97	25.44	18.18
39500	1.06	12.94	14.68	27.18	25.37	24.20
40000	1.12	13.07	14.65	18.77	19.29	30.02
40500	1.18	13.22	15.64	15.97	16.81	22.66
41000	1.21	13.16	16.70	15.70	16.72	22.39
41500	1.17	13.05	16.47	17.64	19.13	24.14
42000	1.16	12.90	15.44	22.55	25.06	21.23
42500	1.11	12.79	16.08	32.98	30.55	17.74
43000	1.13	12.77	18.70	27.21	26.11	16.65
43500	1.16	12.70	24.84	24.09	23.98	17.64
44000	1.18	12.57	28.05	26.18	26.91	21.46

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