

# Directional Coupler

# ZCDC20-K1844+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
14000	0.41	19.33	22.54	31.26	31.60	27.85
14500	0.42	19.32	20.79	29.33	30.35	32.55
15000	0.45	19.41	19.52	20.98	21.75	30.99
15500	0.49	19.50	19.45	18.46	19.14	27.85
16000	0.51	19.49	20.22	18.65	19.33	27.18
16500	0.48	19.43	22.19	21.86	22.54	28.17
17000	0.46	19.41	25.40	33.37	35.21	29.41
17500	0.47	19.42	28.41	25.84	26.02	28.47
18000	0.52	19.43	26.50	19.44	19.75	26.51
18500	0.57	19.44	22.85	17.26	17.76	24.88
19000	0.57	19.51	20.82	17.86	18.49	24.96
19500	0.54	19.53	19.96	20.92	21.93	27.38
20000	0.51	19.50	20.18	31.26	33.20	32.79
20500	0.52	19.55	21.18	27.22	26.13	33.61
21000	0.56	19.66	22.49	20.19	20.06	27.27
21500	0.60	19.69	23.45	18.51	18.53	23.47
22000	0.60	19.61	24.15	19.05	19.37	22.50
22500	0.57	19.57	25.24	22.90	23.41	23.64
23000	0.55	19.56	27.54	32.36	37.53	28.02
23500	0.56	19.50	32.03	27.74	27.63	39.02
24000	0.58	19.53	37.01	22.41	22.35	26.73
24500	0.61	19.52	34.77	21.24	21.28	21.78
25000	0.59	19.53	27.04	22.93	23.24	19.84
25500	0.59	19.52	22.89	28.81	29.44	19.64
26000	0.58	19.49	20.22	39.92	33.74	21.08
26500	0.60	19.55	18.86	25.17	24.73	25.28
27000	0.63	19.43	17.22	21.42	21.63	30.71
27500	0.65	19.57	16.31	20.05	20.68	26.93
28000	0.64	19.65	16.11	21.07	21.94	21.35
28500	0.64	19.67	16.19	22.83	23.37	18.95
29000	0.64	19.66	16.92	23.91	23.49	18.55
29500	0.66	19.72	18.22	21.95	21.45	21.01
30000	0.69	19.66	19.56	20.03	19.79	25.62
30500	0.69	19.52	20.88	20.13	20.05	32.85
31000	0.69	19.55	21.61	21.14	21.42	23.17
31500	0.68	19.52	21.75	25.23	25.85	19.71
32000	0.68	19.54	23.35	28.89	30.46	18.91
32500	0.70	19.49	26.06	24.65	25.19	21.61
33000	0.73	19.63	20.95	21.47	21.68	22.40
33500	0.74	19.67	18.60	19.90	20.16	21.44
34000	0.75	19.64	16.83	20.95	20.97	19.43
34500	0.73	19.59	15.86	24.70	23.77	21.20
35000	0.73	19.64	18.58	40.83	32.28	34.71
35500	0.74	19.83	33.63	25.53	26.42	17.95
36000	0.79	19.71	20.75	20.23	20.64	14.59
36500	0.83	19.61	16.32	17.91	18.34	14.45
37000	0.85	19.52	13.75	18.17	18.17	15.58
37500	0.84	19.49	12.51	19.51	19.64	19.04
38000	0.82	19.40	12.10	24.14	23.53	24.88
38500	0.82	19.36	12.58	32.11	29.69	19.05
39000	0.83	19.49	14.42	30.37	29.38	14.08
39500	0.85	19.78	20.02	24.25	24.73	12.57
40000	0.87	19.79	21.24	21.52	21.58	12.52

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