

# Directional Coupler

# ZCDC20-V1854+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
18000	0.54	20.52	31.66	23.25	23.77	27.73
18500	0.58	20.58	23.74	20.36	19.87	19.43
19000	0.59	20.70	19.61	20.35	19.47	16.50
19500	0.58	20.74	17.13	23.26	21.99	16.24
20000	0.56	20.62	15.97	31.01	28.00	19.08
20500	0.56	20.54	15.67	35.07	27.30	28.45
21000	0.59	20.57	16.35	25.82	22.31	26.89
21500	0.62	20.63	18.05	22.66	20.32	19.41
22000	0.64	20.61	21.13	21.49	20.22	17.96
22500	0.65	20.54	25.76	21.22	21.13	19.34
23000	0.65	20.47	32.15	22.43	23.30	23.99
23500	0.65	20.46	31.27	24.07	25.34	27.15
24000	0.66	20.49	29.18	26.80	27.38	23.99
24500	0.68	20.53	30.67	25.54	27.48	23.13
25000	0.71	20.59	37.13	22.33	25.48	22.56
26000	0.76	20.74	29.94	18.54	22.26	18.00
27000	0.76	20.78	23.35	23.73	24.55	22.40
28000	0.76	20.69	21.19	23.91	30.79	24.82
29000	0.85	20.74	20.30	20.24	22.46	20.06
30000	0.88	20.63	22.30	34.99	26.90	27.12
31000	0.96	20.71	24.90	17.35	21.36	29.96
32000	1.00	20.80	20.20	18.51	17.91	25.36
33000	0.89	20.76	18.95	24.45	27.41	23.91
34000	0.90	20.84	22.76	18.33	18.46	19.76
35000	0.85	20.80	27.48	23.37	20.69	14.95
36000	0.78	20.59	23.82	35.49	42.35	22.19
37000	0.78	20.48	24.40	28.69	33.97	21.07
38000	0.77	20.51	26.56	31.18	38.41	17.37
39000	0.79	20.47	24.92	22.58	24.55	29.23
40000	0.80	20.63	23.75	21.74	22.15	18.63
41000	0.78	20.74	26.80	42.15	34.87	17.67
42000	0.82	20.62	23.52	20.35	21.48	34.64
43000	0.80	20.51	17.32	29.92	29.96	17.32
44000	0.88	20.44	16.24	17.83	18.40	21.08
45000	0.93	20.41	21.42	16.77	17.76	23.01
46000	0.85	20.29	28.95	23.10	25.99	28.32
47000	0.92	20.35	21.06	17.13	17.54	18.01
48000	0.89	20.35	18.96	24.45	25.55	21.54
49000	0.88	20.31	15.61	27.05	27.48	18.48
50000	0.91	20.35	14.49	31.69	36.44	13.48

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