

Directional Coupler

ZCDC20-E18653+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				(dB)		
				IN	OUT	CPL
4000	0.23	20.32	27.45	27.06	27.16	26.27
6000	0.27	19.54	31.70	31.07	35.47	31.64
8000	0.33	19.79	28.08	23.46	23.37	33.43
10000	0.36	19.73	25.77	24.17	23.81	22.05
12000	0.38	19.64	17.70	27.37	27.59	18.55
14000	0.42	19.85	23.48	23.66	23.76	21.04
16000	0.46	19.82	25.00	22.70	22.61	34.44
18000	0.47	19.67	23.91	30.86	36.74	35.84
19000	0.52	19.71	25.09	20.91	21.25	18.57
20000	0.53	19.88	20.02	20.76	20.26	17.25
21000	0.51	19.73	14.88	32.55	34.69	19.93
22000	0.57	19.95	14.58	19.94	20.02	19.14
23000	0.63	19.90	19.69	17.32	17.09	23.25
24000	0.55	19.77	22.27	24.73	24.80	37.80
25000	0.60	19.78	19.71	21.49	21.17	39.20
26000	0.67	19.92	23.79	16.62	16.65	19.70
27000	0.60	20.07	22.91	23.18	23.19	15.40
28000	0.62	19.90	20.65	22.72	22.06	24.74
29000	0.68	20.10	20.60	18.63	18.54	16.35
30000	0.62	20.11	16.25	26.44	27.56	13.92
31000	0.68	19.93	13.95	19.95	20.77	22.01
32000	0.76	20.01	14.29	16.73	17.12	21.76
33000	0.70	19.99	14.82	21.27	21.18	17.26
34000	0.71	20.14	17.29	21.09	22.11	16.52
35000	0.80	20.13	30.12	16.78	16.85	24.23
36000	0.74	20.15	21.07	22.14	21.04	19.28
37000	0.75	19.90	18.93	22.63	21.99	18.53
38000	0.83	19.95	23.03	17.73	17.04	27.60
39000	0.80	19.86	25.39	20.20	18.88	25.41
40000	0.83	19.99	32.07	18.77	17.75	39.14
41000	0.91	20.16	22.63	16.02	15.31	18.89
42000	0.87	20.09	15.17	18.16	17.64	17.31
43000	0.83	19.90	15.17	25.88	22.56	25.90
44000	0.93	20.12	23.32	16.23	15.83	14.48
45000	0.92	20.10	20.83	17.69	17.65	15.77
46000	0.85	19.81	16.49	39.36	31.42	28.94
47000	0.91	20.07	18.90	18.93	18.91	19.12
48000	0.91	20.07	24.62	21.79	21.57	25.74
49000	0.89	20.06	25.82	25.84	27.82	29.78
50000	1.00	20.14	18.87	17.64	18.33	23.18
52000	0.97	19.74	17.79	25.17	27.65	33.50
54000	1.02	19.94	25.04	22.04	20.99	23.71
56000	1.04	20.03	22.38	23.02	22.18	19.94
58000	1.09	19.73	17.40	21.16	21.53	18.87
60000	1.11	19.67	17.60	23.75	23.48	17.57
62500	1.20	19.47	28.07	19.04	18.40	34.60
65000	1.19	18.93	14.96	24.06	23.43	13.38
66000	1.14	18.56	23.56	41.18	30.80	16.85
67000	1.30	17.78	9.21	20.35	22.97	12.45

⁽¹⁾ Mainline loss includes coupling loss