

Directional Coupler

ZCDC30-K0644+

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
1000	0.11	39.69	29.22	33.76	35.52	33.33
2000	0.15	34.28	31.01	29.53	30.31	35.61
3000	0.17	31.69	31.88	40.13	33.31	34.65
4000	0.20	30.46	29.33	29.04	29.68	34.20
5000	0.23	30.04	25.64	25.62	25.32	35.36
6000	0.24	30.06	22.89	38.36	31.77	24.93
8000	0.29	30.36	28.57	23.82	23.58	26.40
9000	0.28	30.31	31.29	40.99	37.14	20.15
10000	0.32	30.13	21.75	25.40	25.36	23.93
11000	0.33	30.20	19.77	25.92	25.26	24.46
12000	0.33	30.38	21.00	38.93	40.87	20.89
13000	0.37	30.53	23.08	24.42	24.78	26.89
14000	0.38	30.45	23.59	26.20	26.34	26.10
15000	0.38	30.34	25.42	38.23	41.37	21.39
16000	0.41	30.14	31.66	25.24	25.26	24.11
17000	0.43	30.11	35.66	25.32	25.44	41.41
18000	0.44	30.21	22.70	35.81	39.22	25.04
19000	0.45	30.57	19.19	27.56	26.59	20.88
20000	0.48	30.90	18.73	25.72	25.77	24.27
21000	0.48	30.81	21.33	34.13	32.96	32.66
22000	0.51	30.42	26.85	24.23	23.83	24.15
23000	0.54	30.21	25.47	22.50	22.17	28.87
24000	0.54	30.21	26.19	26.45	23.90	22.49
25000	0.57	30.36	21.23	23.97	23.66	25.56
26000	0.58	30.66	19.86	24.47	24.13	20.72
27000	0.59	30.94	26.07	28.91	26.96	15.44
28000	0.60	31.00	18.79	30.52	30.67	20.07
29000	0.62	30.56	13.26	31.69	33.91	15.64
30000	0.65	30.25	12.38	27.88	40.35	12.61
31000	0.67	29.93	17.39	36.01	35.05	18.62
32000	0.70	30.20	18.92	22.69	30.53	17.22
33000	0.73	30.65	13.67	22.46	36.25	14.10
34000	0.74	31.06	16.60	36.72	33.24	20.47
35000	0.78	31.24	20.20	20.82	23.17	18.13
36000	0.85	30.62	18.10	19.03	19.84	16.87
37000	0.83	30.55	18.15	24.80	24.13	21.12
38000	0.83	30.26	19.00	27.70	25.07	19.88
39000	0.95	30.53	12.20	18.69	16.60	14.69
40000	0.89	30.26	11.66	19.25	18.79	16.92

⁽¹⁾ Mainline loss includes coupling loss