

# Directional Coupler

# ZCDC20-01203-S+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
1000	0.19	19.29	46.27	69.07	39.54	37.70
1500	0.21	19.41	29.15	38.54	37.22	32.92
2000	0.24	19.42	37.49	39.42	47.03	36.53
2500	0.26	19.27	33.76	38.37	36.86	35.14
3000	0.28	19.59	35.56	34.18	34.40	38.11
3500	0.30	19.41	29.37	35.78	34.28	39.35
4000	0.31	19.29	39.59	40.95	41.55	34.67
4500	0.32	19.43	27.50	46.75	46.39	38.35
5000	0.34	19.29	43.85	53.52	47.74	31.03
5500	0.35	19.31	26.09	53.26	35.95	36.80
6000	0.37	19.34	34.12	38.68	38.68	27.80
6500	0.38	19.14	26.15	36.89	44.08	34.39
7000	0.40	19.29	25.38	41.90	48.20	25.09
7500	0.41	19.34	33.68	45.45	51.92	28.89
8000	0.43	19.31	22.95	35.10	37.44	25.82
8500	0.44	19.45	31.17	39.35	40.18	26.08
9000	0.46	19.39	24.78	33.27	32.99	29.54
9500	0.47	19.37	24.47	35.49	38.57	24.37
10000	0.48	19.38	31.51	31.96	32.39	34.51
10500	0.50	19.29	22.92	28.11	28.12	22.45
11000	0.50	19.25	30.20	46.22	42.40	30.74
11500	0.53	19.36	29.43	24.43	24.63	22.16
12000	0.53	19.29	26.49	38.40	40.68	23.15
12500	0.56	19.34	30.82	22.57	22.75	24.31
13000	0.55	19.42	28.34	25.99	26.55	20.10
13500	0.58	19.25	29.83	23.31	23.14	30.53
14000	0.59	19.33	21.62	23.84	24.34	18.92
14500	0.59	19.35	26.44	25.16	23.99	47.63
15000	0.61	19.22	21.66	24.24	24.05	18.54
15500	0.62	19.29	17.09	24.21	24.14	31.39
16000	0.64	19.36	30.76	22.19	21.71	18.81
16500	0.63	19.16	17.17	26.04	25.78	26.01
17000	0.66	19.39	18.74	21.45	21.42	20.98
17500	0.64	19.22	24.59	30.95	27.46	25.63
18000	0.67	19.28	19.21	22.36	22.73	23.16
18500	0.64	19.31	24.23	29.69	29.08	24.58
19000	0.63	19.25	23.98	21.82	19.17	23.65
19500	0.65	19.33	24.85	32.87	27.03	22.24
20000	0.73	19.49	30.04	21.06	21.60	24.52
20500	0.72	19.33	28.07	38.13	33.61	21.26
21000	0.75	19.40	27.60	24.73	22.99	23.07
21500	0.75	19.46	22.78	42.40	42.90	22.20
22000	0.77	19.43	18.59	26.96	23.52	20.02

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