

Directional Coupler

ZCDC20-5R263-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				(dB)		
				IN	OUT	CPL
300	0.12	23.24	38.46	44.24	40.41	43.17
350	0.13	22.39	37.96	41.83	41.17	43.26
400	0.14	21.40	36.52	44.37	42.33	42.53
450	0.15	20.88	36.39	48.26	40.20	43.08
500	0.16	20.29	36.00	45.05	42.77	42.33
550	0.17	20.00	35.29	44.56	45.39	43.51
600	0.18	19.70	35.07	48.96	43.52	43.13
650	0.19	19.58	34.77	48.07	47.40	44.56
700	0.19	19.50	35.00	43.79	55.00	45.96
750	0.19	19.50	34.78	43.35	49.02	47.11
800	0.20	19.58	34.64	44.78	50.89	46.99
850	0.20	19.67	34.91	42.90	47.85	47.28
900	0.20	19.83	35.09	41.90	43.84	46.26
950	0.21	19.96	35.43	44.22	46.31	44.71
1000	0.21	20.13	35.83	45.80	42.01	45.69
1500	0.25	19.58	37.72	40.94	47.22	43.79
2000	0.27	20.27	39.68	47.43	43.59	38.58
2500	0.30	19.85	32.78	38.29	47.27	37.96
3000	0.33	20.40	31.67	48.09	45.96	32.34
3500	0.36	19.99	27.89	38.98	39.44	31.19
4000	0.38	20.28	29.71	39.64	42.23	28.20
4500	0.41	19.98	25.96	32.34	32.17	31.64
5000	0.43	20.11	26.37	31.64	35.15	22.70
5500	0.45	19.87	23.53	31.18	32.13	31.28
6000	0.48	20.01	27.94	27.91	28.41	21.93
6500	0.50	19.96	24.69	32.53	34.05	32.89
7000	0.53	20.02	27.22	25.35	25.34	22.64
7500	0.53	20.20	30.18	50.53	40.84	29.47
8000	0.57	20.05	26.57	24.71	24.64	25.17
8500	0.58	20.35	31.00	29.47	28.81	26.05
9000	0.61	20.02	24.82	27.19	27.73	27.49
9500	0.62	20.47	25.17	27.16	26.85	23.66
10000	0.64	19.98	24.99	31.69	31.46	31.40
10500	0.66	20.41	22.82	28.87	27.69	24.94
11000	0.69	19.88	27.23	27.44	27.25	32.99
11500	0.69	20.59	24.54	34.87	35.26	29.96
12000	0.73	19.96	30.87	26.20	26.47	30.02
12500	0.74	20.63	32.36	25.95	26.39	38.91
13000	0.76	19.84	37.73	36.67	39.89	38.93
13500	0.79	20.48	27.09	25.20	25.29	31.38
14000	0.81	19.83	43.49	25.54	25.59	24.04
14500	0.82	20.68	19.24	30.47	29.25	31.01
15000	0.87	19.92	36.06	21.55	21.58	21.36
15500	0.85	20.62	15.98	31.12	29.57	22.29
16000	0.91	19.87	32.34	22.22	21.95	24.94
16500	0.93	20.58	15.82	21.02	21.09	19.58
17000	0.94	19.80	25.65	26.31	26.08	31.77
17500	0.98	20.53	17.94	19.73	19.87	23.38
18000	0.96	20.08	24.50	33.53	30.58	22.49
18500	1.01	20.73	24.94	21.18	21.55	25.93
19000	1.02	20.35	21.66	21.99	21.80	24.95
19500	1.03	20.68	29.47	25.54	26.76	18.53
20000	1.07	20.25	22.29	21.16	21.32	30.51
20500	1.06	20.42	17.67	32.63	34.50	16.82
21000	1.09	20.12	23.55	24.59	26.18	19.22
21500	1.11	20.25	14.94	24.29	25.30	21.48
22000	1.12	20.23	26.82	28.17	35.05	17.62
22500	1.15	20.15	14.31	24.33	26.31	22.59
23000	1.16	20.53	24.91	25.09	27.33	22.76
23500	1.18	20.33	15.80	27.15	32.15	22.03
24000	1.19	20.71	21.39	27.15	29.09	43.42
24500	1.22	20.33	20.93	26.53	28.15	29.05
25000	1.22	20.81	18.78	34.70	41.58	28.51
25500	1.26	20.04	21.56	26.08	26.07	22.62
26000	1.26	20.51	18.66	62.19	39.07	25.07
26500	1.32	19.88	15.65	22.66	22.49	18.56
27000	1.31	20.49	19.58	32.55	35.04	22.44
28000	1.38	20.54	26.44	21.17	21.56	19.68
29000	1.48	20.58	26.51	17.29	17.42	13.46
30000	1.54	20.91	18.40	16.38	16.29	11.81

⁽¹⁾ Mainline loss includes coupling loss

