

Directional Coupler

ZCDC16-5R263-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				(dB)		
				IN	OUT	CPL
200	0.10	23.08	28.67	31.10	32.03	39.73
250	0.12	21.58	28.78	30.17	30.62	40.56
300	0.14	19.93	29.00	28.85	29.44	35.66
350	0.16	19.04	28.71	28.47	29.16	37.48
400	0.19	18.05	29.07	28.55	28.31	47.29
450	0.20	17.56	29.17	28.00	28.99	41.83
500	0.22	16.99	29.44	28.59	28.78	38.39
550	0.23	16.69	29.65	28.78	29.50	37.07
600	0.24	16.36	30.03	30.19	30.18	40.72
650	0.25	16.24	30.38	31.40	31.25	42.43
700	0.26	16.11	30.97	32.92	33.93	48.00
750	0.26	16.09	31.27	35.58	34.85	43.51
800	0.26	16.16	31.81	38.91	39.06	56.46
850	0.26	16.27	31.95	41.88	39.02	43.95
900	0.26	16.49	31.89	41.48	41.53	44.13
950	0.26	16.58	31.64	36.53	36.88	37.33
1000	0.26	16.77	30.96	33.08	34.66	40.48
1500	0.32	15.86	27.44	34.87	31.73	40.50
2000	0.35	15.97	33.43	32.73	31.28	41.88
2500	0.38	16.24	29.37	46.97	44.68	37.94
3000	0.44	15.76	40.20	31.53	31.60	44.03
3500	0.44	16.62	26.43	39.05	38.47	31.00
4000	0.49	16.05	38.10	34.72	40.36	40.08
4500	0.50	16.45	24.49	38.61	37.69	27.84
5000	0.56	15.59	32.77	36.11	39.44	32.26
5500	0.56	16.46	22.21	31.27	32.93	25.48
6000	0.61	15.71	27.81	31.68	37.44	28.66
6500	0.63	16.14	21.26	31.24	31.67	25.46
7000	0.66	16.09	26.42	31.15	33.51	24.54
7500	0.68	16.26	22.44	41.74	41.82	33.54
8000	0.71	15.81	24.96	33.84	34.61	23.50
8500	0.74	15.77	23.44	31.83	32.20	38.94
9000	0.77	16.15	23.17	35.50	35.96	29.12
9500	0.80	15.68	22.44	26.34	26.97	31.03
10000	0.84	15.70	21.91	24.88	24.88	33.61
10500	0.84	15.83	20.43	32.59	33.68	30.78
11000	0.88	16.64	21.99	22.38	22.42	31.39
11500	0.89	16.27	20.48	27.57	27.00	27.95
12000	0.92	16.78	25.61	22.47	22.76	40.61
12500	0.97	16.10	23.16	21.02	20.42	23.76
13000	0.97	15.92	52.68	32.40	30.00	26.10
13500	1.02	16.06	26.79	21.04	19.91	24.87
14000	1.03	15.68	25.10	25.53	24.71	23.43
14500	1.06	16.19	27.47	25.31	22.69	31.16
15000	1.08	16.37	18.32	20.82	20.85	21.91
15500	1.09	16.28	24.06	28.89	26.53	21.18
16000	1.13	16.42	15.63	21.23	21.43	31.16
16500	1.16	16.62	23.88	19.86	19.91	19.49
17000	1.15	16.45	15.51	31.04	28.50	22.90
17500	1.27	16.29	31.84	16.47	16.56	22.59
18000	1.20	16.53	16.21	26.51	26.62	17.71
18500	1.28	16.40	34.43	18.36	18.94	40.19
19000	1.30	16.31	19.83	18.52	18.97	18.60
19500	1.30	16.23	24.27	21.88	21.89	18.67
20000	1.32	16.64	22.67	19.42	19.71	23.98
20500	1.32	16.39	20.65	29.01	38.73	16.14
21000	1.36	16.01	26.90	23.71	23.52	28.62
21500	1.36	16.05	18.49	31.30	33.29	18.12
22000	1.39	16.37	24.60	38.94	33.80	19.03
22500	1.38	16.85	16.79	36.19	35.56	25.17
23000	1.45	15.95	20.66	32.24	30.16	18.62
23500	1.45	16.13	17.75	30.81	33.21	26.41
24000	1.47	16.14	20.02	30.62	30.14	23.48
24500	1.51	16.42	21.04	27.60	28.70	22.13
25000	1.51	16.70	20.86	34.84	31.47	24.43
25500	1.54	16.69	40.62	38.37	36.27	25.22
26000	1.58	16.82	20.46	29.90	25.83	23.15
26500	1.61	17.00	21.69	28.76	29.13	21.68
27000	1.63	16.53	20.02	25.78	23.94	24.09
28000	1.79	16.70	22.60	18.33	18.73	19.61
29000	1.89	16.42	21.09	15.52	15.59	18.68
30000	1.86	16.83	17.60	17.48	17.88	25.08

⁽¹⁾ Mainline loss includes coupling loss

