

Directional Coupler

ZCDC30-5R263-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
300	0.07	33.43	52.82	39.40	41.24	51.58
340	0.07	32.61	43.70	39.03	40.59	43.93
400	0.08	31.54	43.17	39.43	40.73	35.51
440	0.09	31.09	43.74	40.35	41.51	35.01
500	0.10	30.41	42.33	41.83	42.86	36.88
540	0.10	30.16	41.30	42.37	43.86	41.31
600	0.11	29.84	38.94	45.42	46.58	36.96
640	0.11	29.69	40.22	48.05	50.62	35.61
700	0.11	29.63	38.00	53.93	54.92	32.86
740	0.12	29.59	37.90	54.07	58.91	32.78
800	0.12	29.70	36.61	50.27	49.70	35.72
840	0.12	29.81	35.07	46.17	47.31	34.40
900	0.13	29.94	34.45	43.32	43.30	31.53
940	0.13	30.13	34.12	41.86	42.20	30.61
1000	0.14	30.31	33.50	39.79	41.21	30.53
1500	0.16	29.91	47.54	42.00	44.04	29.90
2000	0.18	30.52	31.64	43.99	38.98	35.10
2500	0.20	30.01	43.83	42.92	51.76	30.89
3000	0.23	30.29	31.50	46.33	39.15	41.46
3500	0.25	30.08	31.77	34.92	37.48	33.85
4000	0.27	30.22	36.52	37.00	36.79	38.75
4500	0.29	30.25	28.90	32.72	34.35	38.39
5000	0.30	30.32	39.21	41.49	49.46	29.08
5500	0.32	30.23	25.93	29.67	30.08	33.02
6000	0.34	30.16	31.01	30.04	33.15	26.17
6500	0.35	30.08	24.13	31.31	32.10	29.79
7000	0.38	30.02	25.30	25.53	26.37	22.25
7500	0.39	30.17	24.73	39.13	38.99	28.36
8000	0.42	30.06	22.70	23.43	23.74	21.62
8500	0.42	30.41	28.19	34.45	36.73	23.60
9000	0.44	29.95	21.62	25.31	25.36	25.76
9500	0.45	30.36	33.81	28.66	28.68	22.84
10000	0.46	29.86	23.42	32.64	31.34	35.45
10500	0.48	30.36	28.85	29.36	29.30	26.99
11000	0.49	29.71	28.80	33.77	32.49	40.57
11500	0.50	30.34	26.55	36.02	35.82	28.74
12000	0.53	29.87	42.77	28.10	28.16	38.69
12500	0.53	30.46	27.66	36.54	33.97	26.57
13000	0.55	29.77	31.34	31.47	32.04	26.42
13500	0.57	30.31	26.57	31.87	28.12	28.45
14000	0.58	29.57	28.58	35.69	35.18	23.45
14500	0.60	30.01	24.98	32.82	25.72	41.85
15000	0.61	29.22	29.60	27.40	27.29	24.41
15500	0.62	29.75	23.55	30.87	26.52	28.95
16000	0.65	29.33	34.31	24.54	23.21	25.70
16500	0.66	29.97	25.63	23.50	22.56	25.62
17000	0.68	29.64	36.34	28.15	22.86	25.91
17500	0.70	30.07	25.96	21.86	21.50	23.35
18000	0.70	29.64	34.45	32.15	24.31	26.91
18500	0.73	29.78	25.83	21.34	21.11	19.51
19000	0.74	29.55	33.15	24.09	22.37	26.38
19500	0.74	29.89	23.72	28.08	26.47	19.89
20000	0.78	29.80	32.20	20.68	20.10	27.47
20500	0.77	29.61	19.12	29.59	32.11	19.23
21000	0.79	29.41	27.22	24.19	24.65	37.56
21500	0.82	29.55	17.71	22.51	22.08	20.23
22000	0.82	29.76	22.38	25.24	29.41	26.86
22500	0.84	29.36	15.85	23.43	23.77	21.61
23000	0.86	29.69	19.49	22.85	25.73	19.54
23500	0.87	29.38	16.71	23.71	24.59	20.77
24000	0.89	29.68	21.32	22.28	23.58	21.26
24500	0.89	29.08	16.55	24.97	28.30	17.19
25000	0.92	29.61	23.69	22.24	23.27	24.90
25500	0.92	29.01	15.97	24.71	27.82	16.17
26000	0.95	29.31	26.83	22.15	22.93	22.86
26500	0.95	28.72	16.88	25.65	28.37	19.16
27000	0.96	29.01	29.96	25.26	26.63	21.34
27500	0.99	28.35	18.05	22.73	24.94	21.08
28000	1.00	28.79	23.41	24.48	25.95	25.51
28500	1.01	28.36	19.60	24.76	30.16	19.06
29000	1.04	28.99	23.16	21.71	21.98	30.59
29500	1.04	28.59	16.15	29.40	34.58	14.80
30000	1.07	28.87	15.11	21.64	21.68	17.67

⁽¹⁾ Mainline loss includes coupling loss

