

Directional Coupler

ZCDC10-18263-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
5000	0.58	10.01	38.49	29.02	28.11	34.08
6000	0.61	10.01	32.91	30.88	31.03	32.73
6500	0.61	10.08	30.55	34.70	36.15	28.84
7000	0.61	10.16	29.53	38.99	37.60	29.74
7500	0.62	10.22	29.60	44.21	36.30	33.12
8000	0.62	10.25	30.96	49.25	36.54	28.34
8500	0.63	10.24	34.94	56.92	41.42	24.51
9000	0.65	10.20	47.75	38.53	43.32	23.38
9500	0.68	10.13	37.01	30.96	33.25	24.71
10000	0.69	10.07	31.15	27.84	29.87	27.79
10500	0.70	10.00	28.04	28.28	30.62	28.89
11000	0.71	9.96	26.75	35.23	38.87	26.49
11500	0.73	9.95	26.82	34.25	32.19	25.54
12000	0.75	9.97	27.75	25.30	24.87	28.45
12500	0.76	9.99	29.72	23.24	22.69	38.11
13000	0.76	10.02	32.53	25.81	24.57	34.62
13500	0.75	10.06	35.81	44.78	31.72	30.02
14000	0.77	10.10	37.77	24.57	23.75	29.60
14500	0.81	10.11	38.39	19.35	19.03	28.57
15000	0.84	10.07	40.74	18.32	18.44	23.83
15500	0.82	10.04	39.65	20.09	21.79	20.34
16000	0.81	10.00	35.42	22.96	33.31	18.66
16500	0.84	9.97	31.85	20.42	21.99	18.36
17000	0.88	9.94	28.69	17.61	17.63	19.32
17500	0.91	9.94	25.86	17.37	17.41	22.05
18000	0.88	9.94	23.49	20.17	20.66	24.86
18500	0.85	9.96	21.39	26.49	30.65	20.89
19000	0.85	10.02	19.95	26.30	27.64	17.33
19500	0.86	10.12	19.21	22.92	23.57	15.93
20000	0.86	10.15	19.29	24.29	25.22	16.47
20500	0.88	10.09	20.15	34.26	29.51	19.33
21000	0.88	10.09	21.94	28.18	23.73	26.29
21500	0.89	10.15	24.04	22.56	20.86	45.71
22000	0.90	10.21	24.94	20.95	20.55	30.10
22500	0.90	10.22	24.14	20.91	21.66	31.43
23000	0.94	10.21	22.91	20.97	22.39	32.18
23500	0.92	10.22	23.56	20.82	22.38	23.21
24000	0.92	10.26	25.34	22.33	23.11	19.40
24500	0.90	10.30	29.53	26.11	26.50	18.59
25000	0.90	10.38	38.29	33.30	35.15	19.75
25500	0.90	10.37	32.96	36.98	38.06	22.08
26000	0.91	10.41	26.83	27.67	27.99	22.09
26500	0.94	10.49	23.40	22.39	22.96	19.82
27000	0.95	10.51	22.82	20.56	21.31	18.07
27500	0.96	10.48	22.05	20.43	21.82	16.81
28000	0.96	10.45	22.17	22.08	24.72	15.74
28500	0.97	10.40	22.89	22.39	23.25	15.12
29000	1.01	10.35	24.15	20.78	19.16	15.38
29500	1.09	10.32	20.16	20.62	18.18	12.90
30000	1.05	10.16	29.84	24.29	18.58	16.85

⁽¹⁾ Mainline loss includes coupling loss