

Directional Coupler

ZCDC20-18263-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				(dB)		
				IN	OUT	CPL
5000	0.21	19.45	31.51	36.38	42.16	27.67
6000	0.22	19.24	27.83	32.59	33.18	28.76
6500	0.24	19.23	26.73	31.25	31.33	27.31
7000	0.24	19.28	26.95	36.69	36.39	24.95
7500	0.25	19.33	28.42	44.97	45.49	26.08
8000	0.26	19.35	33.83	31.10	31.07	36.45
8500	0.26	19.39	46.80	29.04	28.97	30.27
9000	0.27	19.39	32.45	31.73	32.14	24.05
9500	0.28	19.39	27.25	44.90	44.56	23.61
10000	0.29	19.27	24.63	28.42	28.18	27.23
10500	0.30	19.21	23.90	24.80	24.92	42.67
11000	0.30	19.17	24.23	26.79	26.72	28.56
11500	0.30	19.12	24.78	41.91	41.16	25.50
12000	0.32	19.11	24.73	27.17	27.11	28.15
12500	0.34	19.15	24.08	21.88	21.71	46.42
13000	0.35	19.16	23.05	21.73	21.36	26.08
13500	0.34	19.18	22.27	26.89	26.23	21.80
14000	0.33	19.26	22.14	32.00	31.55	21.67
14500	0.36	19.32	22.57	21.56	21.54	24.80
15000	0.40	19.37	22.91	18.79	18.92	27.15
15500	0.39	19.37	22.98	20.28	20.24	23.87
16000	0.36	19.36	22.70	28.06	28.57	22.16
16500	0.37	19.37	22.54	27.91	28.80	21.24
17000	0.40	19.42	22.84	20.49	20.55	19.64
17500	0.42	19.55	22.77	19.15	19.49	18.66
18000	0.40	19.36	24.68	22.28	22.22	18.87
18500	0.39	19.30	23.68	32.36	37.37	23.30
19000	0.40	19.32	22.31	25.62	26.35	49.53
19500	0.42	19.37	21.37	21.71	21.52	22.40
20000	0.42	19.39	21.73	22.86	22.61	18.45
20500	0.40	19.52	23.48	31.61	30.51	18.43
21000	0.41	19.55	27.18	30.45	27.88	22.76
21500	0.43	19.52	39.68	23.40	23.16	38.93
22000	0.43	19.51	27.98	22.95	22.82	24.04
22500	0.43	19.51	22.78	26.80	28.37	20.75
23000	0.42	19.43	20.89	31.02	31.34	21.90
23500	0.44	19.40	20.40	25.51	26.79	26.58
24000	0.44	19.38	21.99	24.29	23.69	30.19
24500	0.44	19.42	24.69	25.53	26.12	27.15
25000	0.43	19.37	29.42	30.19	28.12	26.87
25500	0.44	19.38	31.43	34.11	35.83	27.59
26000	0.43	19.43	28.24	34.75	32.60	25.51
26500	0.44	19.58	28.30	31.61	35.30	25.04
27000	0.45	19.44	28.01	32.90	33.84	26.08
27500	0.44	19.53	33.30	31.63	29.35	24.61
28000	0.46	19.58	38.84	22.99	25.08	22.66
28500	0.51	19.58	28.88	19.32	18.65	23.58
29000	0.52	19.56	26.93	17.95	18.46	25.92
29500	0.49	19.63	20.31	21.50	19.64	23.87
30000	0.47	19.74	28.96	36.00	27.25	14.95

⁽¹⁾ Mainline loss includes coupling loss