

# Directional Coupler

# ZCDC30-18263-S+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
5000	0.17	29.73	26.22	34.54	33.70	23.57
6000	0.20	29.52	28.99	26.97	26.77	38.74
6500	0.21	29.53	28.51	25.86	25.21	26.02
7000	0.21	29.56	27.21	30.05	29.50	22.97
7500	0.22	29.70	26.38	35.11	33.14	23.54
8000	0.25	29.80	26.64	24.50	23.96	27.93
8500	0.27	29.86	27.71	21.31	21.30	43.94
9000	0.27	29.86	28.83	21.86	21.96	30.67
9500	0.26	29.88	31.98	27.90	28.22	25.05
10000	0.26	29.87	37.11	32.13	32.25	22.99
10500	0.29	29.80	41.96	23.11	22.58	23.45
11000	0.31	29.76	36.50	21.77	21.21	26.57
11500	0.31	29.75	31.55	24.94	24.41	33.25
12000	0.30	29.72	29.45	33.91	39.55	27.45
12500	0.32	29.79	30.68	25.41	26.06	23.25
13000	0.34	29.85	31.27	22.69	22.59	23.02
13500	0.35	29.88	31.99	25.53	25.06	27.27
14000	0.34	29.91	28.21	49.14	40.01	40.45
14500	0.36	29.93	23.45	25.95	26.73	26.93
15000	0.39	29.98	20.61	21.79	22.55	23.58
15500	0.40	30.05	19.31	22.85	23.64	25.32
16000	0.40	30.00	19.07	28.88	33.46	30.69
16500	0.41	30.01	19.47	26.57	27.90	24.21
17000	0.44	30.06	20.19	21.57	21.91	20.14
17500	0.46	30.01	20.76	21.46	21.95	19.79
18000	0.45	29.93	20.32	26.19	27.32	22.95
18500	0.45	29.87	20.08	30.01	34.17	26.30
19000	0.48	29.91	19.70	22.56	23.22	19.59
19500	0.50	29.94	20.11	21.11	21.42	16.40
20000	0.49	30.01	22.50	25.64	25.04	16.60
20500	0.51	30.14	28.92	32.79	26.18	20.72
21000	0.56	30.11	33.82	20.45	19.25	36.32
21500	0.60	30.20	24.58	17.63	17.21	21.09
22000	0.58	30.33	20.34	18.77	18.75	17.25
22500	0.54	30.25	18.23	26.06	26.95	17.54
23000	0.56	30.14	17.69	29.00	27.24	22.09
23500	0.62	30.12	18.80	19.80	19.04	37.07
24000	0.65	30.28	19.49	17.83	17.38	22.68
24500	0.64	30.20	20.84	18.89	18.85	19.65
25000	0.61	30.11	22.47	22.63	23.45	20.66
25500	0.60	30.15	25.24	29.17	33.12	25.81
26000	0.62	30.20	26.87	38.81	45.18	28.75
26500	0.64	30.39	21.73	32.61	37.74	22.44
27000	0.66	30.16	21.59	27.49	34.34	19.25
27500	0.67	30.22	17.38	23.88	29.00	17.76
28000	0.70	30.27	15.58	20.71	24.12	17.17
28500	0.75	30.21	15.05	17.76	19.79	16.58
29000	0.79	30.23	15.87	16.80	18.21	14.70
29500	0.80	30.61	19.26	18.68	19.58	12.61
30000	0.78	30.79	17.11	30.83	24.65	11.35

<sup>(1)</sup> Mainline loss includes coupling loss