

Directional Coupler

ZCDC10-02263S+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +25°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
10	0.00	51.76	18.59	41.92	44.29	40.42
1000	0.38	13.74	30.15	34.15	32.73	34.24
2000	0.69	10.24	37.13	38.85	35.65	43.40
5000	0.85	9.98	27.19	33.93	37.49	25.47
10000	0.90	10.67	25.97	25.77	25.77	22.79
10500	0.87	10.82	24.59	33.46	34.55	22.61
11000	0.88	10.86	23.34	30.38	31.71	23.48
11500	0.90	10.69	24.18	42.34	37.49	30.70
12000	0.94	10.55	28.62	24.30	25.04	33.60
12500	0.96	10.44	42.17	23.46	23.42	27.71
13000	0.95	10.42	37.93	43.29	39.68	28.79
13500	0.99	10.47	31.08	20.13	20.00	28.00
14000	1.02	10.58	27.60	18.28	18.34	28.33
14500	0.97	10.56	28.27	25.79	26.83	22.91
15000	1.00	10.48	29.06	21.79	22.26	22.58
15500	1.07	10.39	21.94	18.10	18.49	28.33
16000	1.04	10.28	18.77	23.73	24.56	19.83
16500	1.03	10.32	19.49	26.44	27.85	19.03
17000	1.07	10.36	26.61	21.30	19.74	29.93
17500	1.05	10.51	28.08	26.28	22.50	22.00
18000	1.04	10.52	20.53	25.89	23.61	20.32
18500	1.05	10.49	20.58	24.67	26.35	28.72
19000	1.08	10.34	24.04	42.74	28.18	22.90
19500	1.10	10.32	22.48	23.41	23.74	24.79
20000	1.12	10.27	21.69	22.32	23.66	23.45
20500	1.12	10.40	28.90	23.70	27.83	18.89
21000	1.14	10.53	25.85	20.68	21.91	25.59
21500	1.13	10.66	19.46	21.35	22.81	21.12
22000	1.13	10.68	20.88	26.25	29.23	16.99
22500	1.17	10.61	33.43	28.45	29.40	23.30
23000	1.15	10.62	22.50	28.93	29.44	23.05
23500	1.14	10.69	19.77	28.20	29.53	18.03
24000	1.15	10.66	24.96	23.75	23.09	21.84
24500	1.15	10.78	26.14	22.52	22.19	28.84
25000	1.13	10.79	20.80	27.10	27.16	29.31
25500	1.15	10.70	24.34	26.50	29.06	28.80
26000	1.30	10.49	23.63	19.41	19.72	24.34
26500	1.26	10.38	17.20	19.70	21.19	32.14
27000	1.27	10.23	17.49	22.58	25.30	21.90



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Directional Coupler

ZCDC10-02263S+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -55°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
10	0.00	53.50	15.74	41.76	43.56	39.14
1000	0.38	13.77	28.88	29.39	28.48	29.57
2000	0.68	10.25	32.91	35.91	34.66	42.18
5000	0.83	10.04	27.03	30.27	31.71	23.84
10000	0.87	10.75	24.46	22.41	22.59	22.09
10500	0.84	10.87	21.77	30.04	30.38	20.70
11000	0.85	10.97	20.87	33.76	35.72	21.56
11500	0.88	10.83	23.22	40.38	34.71	29.41
12000	0.91	10.69	31.58	27.58	31.29	31.73
12500	0.93	10.58	28.22	25.72	26.63	25.86
13000	0.92	10.55	24.34	38.88	39.94	26.63
13500	0.96	10.56	27.21	22.30	21.74	27.90
14000	0.99	10.59	40.65	20.42	20.67	30.30
14500	0.97	10.60	32.01	26.40	30.53	23.77
15000	0.98	10.56	36.17	22.87	22.03	23.74
15500	1.01	10.37	26.02	20.36	20.04	27.01
16000	0.99	10.27	19.96	28.21	29.41	19.91
16500	0.99	10.36	19.09	24.17	24.82	20.67
17000	1.01	10.41	23.79	23.38	20.22	30.86
17500	1.00	10.53	26.41	31.22	22.45	20.76
18000	0.99	10.54	19.50	23.40	22.16	22.74
18500	0.99	10.54	19.41	27.98	30.51	30.60
19000	1.02	10.42	24.56	26.41	22.86	20.98
19500	1.06	10.32	23.27	20.10	19.31	27.53
20000	1.05	10.33	20.66	23.34	24.81	21.10
20500	1.08	10.52	26.70	20.27	21.61	17.40
21000	1.13	10.67	24.98	16.73	17.22	25.50
21500	1.08	10.72	17.06	19.93	20.09	18.80
22000	1.06	10.78	16.94	29.58	48.12	15.53
22500	1.13	10.68	24.74	21.27	21.43	22.36
23000	1.11	10.79	23.54	22.12	22.11	21.08
23500	1.10	10.78	16.99	29.86	26.74	16.56
24000	1.11	10.74	17.76	31.05	32.75	20.45
24500	1.10	10.89	25.58	27.73	30.17	36.36
25000	1.11	10.97	32.42	29.05	28.77	26.57
25500	1.14	10.77	29.35	38.37	34.77	39.23
26000	1.20	10.57	28.66	24.94	29.17	31.44
26500	1.26	10.50	20.88	20.74	24.07	30.44
27000	1.32	10.30	21.71	21.08	21.19	25.49



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Directional Coupler

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Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +100°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
10	0.01	51.94	28.35	43.63	46.01	41.07
1000	0.36	13.66	30.07	36.48	34.63	35.56
2000	0.68	10.17	40.88	40.61	35.37	45.02
5000	0.85	9.90	25.84	32.87	35.96	25.78
10000	0.91	10.56	27.53	26.36	26.73	23.22
10500	0.89	10.71	27.11	34.96	36.11	23.19
11000	0.90	10.75	26.62	33.06	33.09	23.43
11500	0.92	10.60	27.46	37.54	36.64	29.35
12000	0.96	10.45	28.38	24.55	25.19	37.35
12500	0.99	10.34	29.79	24.64	24.24	28.90
13000	0.98	10.33	35.24	35.53	35.86	28.44
13500	1.03	10.40	29.03	19.82	20.05	27.06
14000	1.05	10.51	24.39	18.53	18.92	26.67
14500	1.01	10.48	24.75	26.37	29.21	22.51
15000	1.05	10.41	24.38	21.21	21.85	22.82
15500	1.12	10.32	19.62	18.10	18.85	27.62
16000	1.09	10.21	17.90	24.10	25.93	19.24
16500	1.09	10.24	20.32	25.64	26.39	18.71
17000	1.12	10.26	33.39	21.09	19.49	30.17
17500	1.10	10.43	24.68	26.36	22.91	21.29
18000	1.09	10.44	20.86	25.97	23.67	19.33
18500	1.11	10.39	22.97	24.72	25.58	26.79
19000	1.14	10.22	22.68	42.21	27.26	23.16
19500	1.17	10.22	19.37	23.22	24.23	23.62
20000	1.18	10.20	20.72	22.03	23.96	23.02
20500	1.18	10.31	36.50	23.62	29.21	18.96
21000	1.21	10.42	22.15	20.72	22.39	25.71
21500	1.20	10.58	18.36	21.13	23.36	21.54
22000	1.20	10.62	22.52	25.67	29.48	17.16
22500	1.23	10.53	31.38	28.09	30.74	23.69
23000	1.23	10.50	19.47	29.10	30.93	23.11
23500	1.22	10.61	19.58	27.88	30.57	18.14
24000	1.23	10.59	34.64	22.70	22.77	21.72
24500	1.24	10.69	20.48	21.27	21.74	26.57
25000	1.22	10.69	17.18	25.46	27.01	29.23
25500	1.24	10.62	21.35	25.38	28.06	25.19
26000	1.37	10.42	20.79	18.43	18.87	22.11
26500	1.36	10.29	15.18	18.75	20.51	31.49
27000	1.36	10.18	15.89	21.95	25.33	20.65



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