

# Directional Coupler

# ZCDC16-K5R44W+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS <sup>(1)</sup> (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
200	0.20	23.37	29.35	34.06	36.57	38.74
250	0.16	21.60	29.06	36.92	35.95	42.59
300	0.24	20.30	29.40	33.27	38.53	44.02
350	0.25	19.19	29.35	35.09	35.57	43.59
400	0.27	18.34	29.54	33.04	33.98	40.90
450	0.31	17.69	29.58	33.32	34.29	38.49
500	0.28	17.15	29.96	34.83	32.60	41.41
550	0.34	16.76	30.00	32.92	31.38	42.70
600	0.34	16.43	30.47	35.64	32.19	45.77
650	0.35	16.20	30.59	33.46	30.93	42.67
700	0.38	16.07	30.99	35.73	31.38	45.74
750	0.35	15.97	31.14	36.16	33.23	50.47
800	0.39	15.96	31.14	36.34	32.21	50.63
850	0.39	15.96	31.12	40.49	34.12	49.57
900	0.38	16.00	30.84	37.98	38.22	49.13
950	0.41	16.06	30.46	42.13	40.47	40.97
1000	0.38	16.09	29.70	41.62	42.36	42.45
2000	0.50	15.42	27.87	42.76	38.46	38.73
3000	0.57	15.10	28.63	37.34	35.72	31.62
4000	0.61	15.43	31.13	31.59	31.23	30.27
5000	0.69	15.03	39.08	27.14	27.20	31.78
6000	0.74	14.91	35.30	26.31	26.02	28.28
8000	0.84	14.79	25.22	33.43	38.63	23.62
9000	0.88	15.22	23.86	33.01	36.10	24.09
10000	0.93	15.27	23.56	28.06	28.06	25.36
11000	0.96	16.08	22.17	26.45	25.54	30.49
12000	1.02	15.89	20.51	24.81	23.82	26.07
13000	1.09	15.20	23.00	25.25	24.15	24.31
14000	1.11	15.21	24.09	34.31	34.75	22.67
15000	1.15	15.40	21.90	29.70	37.26	21.86
16000	1.19	15.87	19.76	25.31	27.32	22.65
17000	1.24	16.09	17.55	25.03	27.38	21.98
18000	1.28	16.16	17.20	25.82	28.07	23.58
19000	1.33	15.68	16.36	28.62	35.59	22.50
20000	1.38	15.87	17.18	28.00	31.63	26.85
21000	1.45	15.30	18.16	28.19	29.55	30.14
22000	1.48	15.73	21.90	29.07	29.93	33.80
23000	1.53	15.38	25.23	30.17	32.02	29.09
24000	1.58	15.53	32.55	37.53	55.48	23.50
25000	1.61	16.04	26.58	47.01	46.21	23.78
26000	1.65	16.22	19.68	48.35	44.55	34.40
27000	1.71	15.97	18.20	33.13	32.07	22.61
28000	1.75	15.95	17.06	31.80	32.57	17.46
29000	1.79	15.83	15.45	29.09	31.59	14.91
30000	1.87	16.05	15.50	33.32	37.25	15.55
31000	1.89	15.93	15.99	29.88	29.65	18.47
32000	1.94	16.16	16.59	27.62	27.77	26.96
33000	2.02	16.26	16.82	25.24	24.61	31.47
34000	2.07	16.09	21.32	23.36	23.18	21.24
35000	2.20	15.59	22.55	22.97	21.20	19.08
36000	2.17	15.82	23.27	25.86	24.73	21.89
37000	2.22	16.06	15.48	27.50	26.03	26.54
38000	2.23	16.73	13.83	28.31	28.62	20.14
39000	2.30	16.47	12.22	31.99	39.52	16.42
40000	2.31	16.29	12.46	27.93	34.63	14.71

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

