

Directional Coupler

ZCDC30-02263-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
500	0.07	37.92	30.61	33.62	33.96	30.64
540	0.06	37.30	32.06	33.68	33.53	27.43
600	0.07	36.42	32.62	32.04	31.74	27.48
640	0.08	35.94	32.53	32.72	33.87	30.53
700	0.07	35.27	32.50	32.16	31.64	30.72
740	0.09	34.79	33.17	31.12	32.34	30.74
800	0.08	34.25	31.87	31.73	32.67	28.14
840	0.08	33.84	32.99	31.07	32.02	29.15
900	0.09	33.36	32.10	31.89	34.09	32.89
940	0.08	33.08	32.56	31.88	32.52	33.38
1000	0.10	32.64	32.01	31.52	33.90	34.48
1500	0.12	30.36	34.26	38.96	40.40	40.30
2000	0.13	29.53	35.07	42.00	38.39	32.89
2500	0.14	29.49	34.98	40.59	35.61	35.39
3000	0.15	29.83	40.40	40.09	37.06	46.93
3500	0.16	30.04	35.35	46.64	41.43	29.54
4000	0.18	29.90	26.92	42.25	45.06	29.52
4500	0.20	29.65	25.46	32.23	31.77	35.68
5000	0.21	29.58	29.62	28.11	27.86	23.44
5500	0.22	29.79	31.68	30.13	29.80	22.94
6000	0.23	29.99	22.71	40.27	45.39	31.55
6500	0.25	30.04	20.44	26.09	26.63	24.28
7000	0.26	29.86	22.73	25.63	25.60	20.53
7500	0.26	29.63	27.94	49.86	49.32	24.25
8000	0.28	29.57	29.09	25.26	25.32	31.25
8500	0.29	29.79	27.37	24.22	24.30	21.81
9000	0.29	29.97	27.08	40.71	41.58	24.51
9500	0.31	30.05	25.84	24.71	24.78	38.72
10000	0.32	29.82	25.46	24.43	24.41	26.94
10500	0.31	29.57	25.09	41.76	44.99	28.33
11000	0.35	29.61	23.04	22.60	22.90	28.31
11500	0.35	29.82	22.18	24.01	24.35	36.72
12000	0.34	30.10	24.69	33.30	32.94	27.51
12500	0.38	30.17	24.94	21.10	21.17	23.87
13000	0.38	29.88	20.13	23.52	23.72	36.26
13500	0.37	29.61	19.48	30.35	30.37	24.12
14000	0.41	29.67	22.57	21.42	21.50	21.80
14500	0.40	29.84	30.53	26.57	26.84	36.43
15000	0.40	30.15	30.10	25.84	25.78	23.44
15500	0.44	30.27	26.45	20.37	20.27	23.59
16000	0.42	29.95	21.90	28.96	28.17	32.31
16500	0.44	29.62	20.26	22.98	22.87	20.38
17000	0.48	29.42	23.28	19.06	19.11	24.67
17500	0.45	29.80	32.62	27.59	27.51	24.42
18000	0.46	30.11	19.38	23.40	23.38	17.61
18500	0.50	30.41	15.84	19.53	19.59	23.86
19000	0.47	30.02	19.24	27.47	27.54	21.31
19500	0.48	29.99	37.55	24.99	25.17	15.77
20000	0.50	29.49	20.97	21.79	21.49	21.36
20500	0.49	29.36	19.23	32.14	27.84	22.59
21000	0.50	29.67	21.44	25.63	24.82	16.44
21500	0.51	30.10	22.31	25.59	25.36	21.72
22000	0.52	30.35	18.67	38.24	33.45	23.30
22500	0.53	29.87	24.01	24.89	24.91	18.67
23000	0.53	29.65	29.89	26.54	27.86	22.49
23500	0.53	29.57	19.44	28.91	30.95	20.51
24000	0.54	29.64	17.78	28.22	28.94	22.65
24500	0.54	29.83	20.89	30.70	31.31	25.03
25000	0.56	30.00	33.07	25.91	26.08	19.58
25500	0.56	29.92	22.20	29.64	29.77	26.56
26000	0.57	29.64	23.90	32.06	30.98	23.24
26500	0.57	29.46	22.72	31.06	31.25	19.13
27000	0.58	29.33	19.68	30.68	30.74	24.02
27500	0.61	29.58	21.12	22.37	22.42	22.01
28000	0.60	29.83	25.88	24.55	25.85	18.25
28500	0.63	29.89	17.03	21.76	22.65	16.63
29000	0.69	29.52	14.80	17.30	17.45	19.99
29500	0.66	28.91	14.70	21.14	21.33	18.47
30000	0.64	29.41	18.24	26.68	27.79	11.41

⁽¹⁾ Mainline loss includes coupling loss



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IF/RF MICROWAVE COMPONENTS

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