

# Directional Coupler

# ZDC-10-1-75+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
1.0	1.18	10.73	59.03	21.38	16.52	16.51
2.0	1.01	10.57	59.43	26.15	18.33	18.39
3.0	0.95	10.50	59.37	29.64	19.11	19.21
4.0	0.92	10.48	58.47	32.72	19.50	19.62
5.0	0.91	10.47	57.90	35.71	19.69	19.82
6.0	0.90	10.46	58.45	39.04	19.81	19.94
7.0	0.90	10.46	57.49	42.98	19.86	19.99
8.0	0.90	10.45	57.87	48.59	19.88	19.99
9.0	0.89	10.46	57.24	59.04	19.88	19.96
10.0	0.91	10.46	57.36	53.23	19.87	19.93
18.0	0.93	10.49	56.72	35.77	19.60	19.43
26.0	0.95	10.51	52.82	31.73	19.30	18.87
34.0	0.97	10.53	52.00	29.42	19.04	18.32
42.0	0.98	10.55	49.17	27.71	18.79	17.78
50.0	0.99	10.56	48.46	26.33	18.55	17.24
58.0	0.99	10.58	47.57	25.17	18.32	16.71
66.0	1.01	10.60	46.85	24.14	18.06	16.17
74.0	1.01	10.61	45.89	23.24	17.82	15.67
82.0	1.01	10.62	45.62	22.42	17.55	15.16
90.0	1.03	10.65	44.68	21.68	17.28	14.68
97.0	1.03	10.66	44.42	21.06	17.05	14.27
104.0	1.03	10.68	43.98	20.51	16.82	13.89
111.0	1.04	10.70	43.99	20.00	16.58	13.50
118.0	1.05	10.71	43.41	19.51	16.34	13.14
125.0	1.05	10.74	43.75	19.04	16.11	12.79
130.0	1.05	10.75	43.07	18.73	15.95	12.55
135.0	1.06	10.76	43.05	18.43	15.79	12.32
140.0	1.07	10.78	42.71	18.13	15.62	12.10
145.0	1.07	10.79	42.62	17.86	15.47	11.88
150.0	1.07	10.80	42.65	17.60	15.31	11.67
159.0	1.08	10.83	42.48	17.14	15.04	11.30
168.0	1.09	10.86	42.67	16.71	14.77	10.97
177.0	1.10	10.89	42.93	16.31	14.50	10.65
186.0	1.11	10.92	42.88	15.93	14.24	10.35
195.0	1.12	10.95	43.07	15.57	13.99	10.07
204.0	1.13	10.98	43.44	15.23	13.74	9.81
213.0	1.14	11.00	43.85	14.92	13.50	9.56
222.0	1.15	11.03	44.19	14.61	13.26	9.33
231.0	1.16	11.06	45.10	14.33	13.03	9.10
240.0	1.17	11.10	46.07	14.05	12.80	8.89
250.0	1.19	11.13	47.13	13.77	12.57	8.67

REV. X1  
ZDC-10-1-75+  
060718  
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