

# Directional Coupler

# ZDC-10-1+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
0.5	0.79	11.64	51.25	23.85	19.63	19.66
0.6	0.76	11.63	50.49	24.93	20.17	20.19
0.7	0.74	11.61	50.69	25.84	20.61	20.61
0.8	0.72	11.60	50.94	26.60	20.98	20.98
0.9	0.70	11.56	50.03	27.29	21.30	21.28
1.0	0.68	11.56	50.46	27.90	21.58	21.56
2.0	0.61	11.49	50.37	31.57	23.17	23.04
3.0	0.58	11.46	49.79	33.21	23.82	23.64
4.0	0.56	11.44	49.98	34.05	24.12	23.94
5.0	0.57	11.45	50.24	34.57	24.27	24.06
10.0	0.56	11.44	49.83	35.46	24.41	24.15
24.0	0.58	11.45	48.07	35.94	24.16	23.64
38.0	0.59	11.48	46.48	35.54	23.96	23.10
52.0	0.60	11.50	45.62	34.75	23.82	22.56
66.0	0.60	11.50	43.69	33.95	23.68	22.01
80.0	0.60	11.51	42.71	33.07	23.51	21.42
94.0	0.61	11.51	41.48	32.20	23.33	20.84
108.0	0.62	11.53	40.80	31.44	23.13	20.24
122.0	0.63	11.54	39.77	30.63	22.91	19.66
136.0	0.63	11.56	39.38	29.91	22.67	19.10
150.0	0.62	11.55	38.73	29.19	22.44	18.57
160.0	0.62	11.54	38.35	28.76	22.29	18.21
170.0	0.62	11.55	38.16	28.35	22.12	17.86
180.0	0.65	11.57	37.67	27.98	21.96	17.54
190.0	0.66	11.60	37.48	27.63	21.80	17.23
200.0	0.67	11.62	37.13	27.29	21.61	16.92
210.0	0.67	11.63	36.91	26.97	21.43	16.63
220.0	0.65	11.59	36.66	26.65	21.24	16.33
230.0	0.63	11.57	36.33	26.34	21.06	16.06
240.0	0.65	11.58	36.04	26.05	20.90	15.81
250.0	0.67	11.60	35.52	25.76	20.72	15.56
275.0	0.74	11.71	34.57	25.19	20.29	15.00
300.0	0.69	11.60	33.40	24.62	19.85	14.49
325.0	0.78	11.70	31.77	24.01	19.43	14.04
350.0	0.80	11.75	30.23	23.47	19.07	13.67
375.0	0.78	11.63	28.55	22.89	18.69	13.32
400.0	0.94	11.85	26.91	22.30	18.40	13.06
425.0	0.89	11.75	25.31	21.77	18.13	12.84
450.0	1.00	11.80	23.74	21.20	17.82	12.64
475.0	1.09	11.97	22.29	20.50	17.58	12.52
500.0	1.05	11.79	20.87	19.79	17.45	12.48

REV. X1  
ZDC-10-1+  
060718  
Page 1 of 1



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