

Directional Coupler

ADC-ED12010/1

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				IN	OUT	CPL
1.0	1.03	10.66	26.50	17.83	20.68	15.47
3.0	0.82	10.51	32.92	21.17	27.38	18.81
5.0	0.77	10.47	35.58	22.19	29.92	19.84
7.0	0.75	10.46	36.85	22.64	31.11	20.33
10.0	0.75	10.47	38.45	22.91	32.21	20.67
30.0	0.73	10.47	40.22	22.96	31.95	20.96
50.0	0.74	10.49	39.46	23.05	31.55	20.78
70.0	0.76	10.51	37.56	23.11	31.30	20.51
90.0	0.77	10.52	36.11	22.98	30.67	20.14
100.0	0.77	10.53	35.53	22.89	30.35	19.91
200.0	0.82	10.62	30.72	22.44	27.47	17.62
300.0	0.85	10.70	27.27	21.85	24.87	15.52
400.0	0.88	10.77	24.79	21.04	22.90	13.82
410.0	0.88	10.77	24.55	20.97	22.75	13.67
420.0	0.88	10.78	24.33	20.89	22.61	13.53
430.0	0.89	10.79	24.11	20.78	22.44	13.40
440.0	0.89	10.79	23.91	20.68	22.27	13.27
450.0	0.90	10.80	23.71	20.56	22.09	13.13
451.0	0.90	10.80	23.70	20.55	22.07	13.12
453.0	0.90	10.80	23.66	20.53	22.03	13.10
455.0	0.90	10.80	23.63	20.51	21.99	13.07
457.0	0.90	10.80	23.59	20.48	21.96	13.04
459.0	0.90	10.80	23.54	20.46	21.93	13.02
460.0	0.90	10.80	23.54	20.46	21.91	13.01
461.0	0.90	10.81	23.50	20.45	21.89	12.99
463.0	0.90	10.81	23.47	20.43	21.85	12.97
465.0	0.90	10.81	23.43	20.41	21.83	12.94
467.0	0.90	10.81	23.40	20.39	21.79	12.92
469.0	0.90	10.81	23.35	20.37	21.76	12.89
470.0	0.90	10.81	23.33	20.37	21.74	12.88
480.0	0.91	10.82	23.14	20.28	21.59	12.75
490.0	0.91	10.82	22.96	20.18	21.45	12.63
500.0	0.92	10.83	22.80	20.09	21.31	12.51
600.0	0.97	10.87	21.22	19.22	19.98	11.49
700.0	1.02	10.89	19.75	18.51	18.86	10.66
800.0	1.09	10.89	18.56	17.91	17.84	10.01
900.0	1.16	10.86	17.37	17.48	16.99	9.55
1000.0	1.25	10.81	16.22	17.23	16.23	9.20
1250.0	1.55	10.56	13.79	17.68	14.63	8.75
1500.0	2.01	10.21	11.66	20.64	13.52	8.86
2000.0	4.14	10.37	8.85	13.15	11.18	10.43



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IF/RF MICROWAVE COMPONENTS



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