

Directional Coupler

JDC-20-3-75+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +25°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
2	0.35	19.12	26.17	26.23	27.69	26.19
3	0.34	19.12	26.73	26.85	28.65	26.80
4	0.33	19.13	27.28	27.46	29.61	27.41
5	0.32	19.13	27.84	28.08	30.56	28.03
10	0.29	19.14	29.72	30.20	33.91	30.11
15	0.29	19.14	29.91	30.53	34.55	30.37
20	0.29	19.14	29.67	30.63	34.74	30.47
25	0.30	19.14	29.49	30.70	34.71	30.51
30	0.30	19.14	29.30	30.73	34.63	30.51
35	0.30	19.15	29.13	30.78	34.56	30.52
40	0.30	19.15	28.98	30.84	34.52	30.57
45	0.31	19.16	28.74	30.88	34.36	30.55
50	0.31	19.15	28.27	30.99	34.29	30.60
75	0.32	19.15	27.07	31.40	33.60	30.75
100	0.34	19.14	25.63	31.80	32.60	30.89
125	0.35	19.14	24.12	32.17	31.54	30.99
150	0.37	19.12	22.80	32.35	30.45	30.97
175	0.39	19.09	21.39	32.25	29.39	30.59
200	0.41	19.06	20.18	31.89	28.43	29.78
225	0.44	19.03	18.90	31.24	27.53	28.77
250	0.46	18.99	17.81	30.43	26.72	27.47
275	0.49	18.94	16.68	29.52	25.99	26.14
300	0.51	18.89	15.69	28.57	25.32	24.93
325	0.54	18.83	14.74	27.62	24.68	23.82
350	0.57	18.78	13.89	26.77	24.08	23.00
375	0.61	18.70	13.13	25.87	23.55	22.31
400	0.63	18.65	12.44	25.13	23.06	21.67
425	0.67	18.56	11.75	24.43	22.60	21.15
450	0.70	18.52	11.08	23.83	22.17	20.50
475	0.74	18.44	10.48	23.30	21.78	19.71
500	0.77	18.38	9.84	22.84	21.42	18.95
600	0.94	18.10	7.77	21.16	20.13	17.09
700	1.12	17.86	6.09	20.09	19.06	15.78
800	1.28	17.60	4.77	19.34	18.08	14.60
900	1.43	17.37	3.62	19.14	17.20	14.02
1000	1.59	17.14	2.49	19.37	16.40	13.49
1100	1.76	16.89	1.44	20.02	15.68	13.38
1200	1.94	16.53	0.58	20.61	15.15	13.24
1300	2.19	16.09	0.15	21.16	14.90	13.03
1400	2.54	15.56	0.45	21.57	15.02	13.10
1500	2.94	15.34	0.38	22.97	15.53	13.18
1600	3.29	15.63	0.23	24.38	16.33	13.99
1700	3.46	16.50	0.08	25.59	16.91	14.45
1800	3.51	17.57	0.27	24.71	17.00	15.11
1900	3.46	18.88	0.24	22.37	16.53	14.74
2000	3.42	20.02	0.49	20.03	15.64	14.58
2100	3.38	21.05	0.48	18.01	14.25	14.07
2200	3.27	21.76	0.27	16.29	12.76	14.14
2300	3.23	21.94	0.01	14.85	11.34	13.94
2400	3.22	21.78	0.08	13.89	10.33	14.40
2500	3.55	21.01	0.52	13.46	9.73	14.78

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Directional Coupler

JDC-20-3-75+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -40°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
2	0.48	19.14	23.67	22.99	23.76	23.39
3	0.45	19.14	24.47	24.06	25.05	24.37
4	0.42	19.14	25.26	25.14	26.33	25.35
5	0.38	19.14	26.06	26.21	27.62	26.33
10	0.27	19.16	29.01	30.43	32.89	30.12
15	0.25	19.17	29.95	32.39	35.86	31.79
20	0.24	19.16	30.19	33.40	37.32	32.66
25	0.24	19.17	30.13	34.27	38.09	33.36
30	0.24	19.17	30.12	35.16	38.52	34.01
35	0.25	19.17	30.12	36.09	38.70	34.66
40	0.25	19.17	30.02	37.10	38.66	35.35
45	0.25	19.16	30.02	38.28	38.47	36.13
50	0.25	19.16	29.77	39.68	38.29	36.99
75	0.26	19.15	28.52	45.14	37.36	41.36
100	0.27	19.13	27.01	39.09	36.29	39.79
125	0.28	19.09	25.52	35.76	35.28	35.67
150	0.29	19.05	24.25	34.80	34.46	33.38
175	0.31	19.01	22.85	35.42	33.80	32.32
200	0.33	18.95	21.67	36.78	32.95	32.08
225	0.35	18.88	20.37	37.22	31.81	31.98
250	0.37	18.82	19.27	35.30	30.36	30.54
275	0.39	18.74	18.06	32.79	28.90	28.27
300	0.41	18.67	17.05	31.02	27.60	26.35
325	0.44	18.60	16.09	29.79	26.40	25.00
350	0.46	18.52	15.19	28.72	25.41	24.23
375	0.50	18.43	14.38	27.41	24.56	23.57
400	0.52	18.37	13.68	26.34	23.87	22.77
425	0.56	18.27	12.93	25.60	23.21	22.00
450	0.58	18.21	12.24	25.08	22.66	21.11
475	0.62	18.11	11.63	24.40	22.13	20.19
500	0.65	18.04	10.97	23.47	21.60	19.31
600	0.81	17.71	8.85	21.34	19.80	17.06
700	0.99	17.42	7.14	19.80	18.54	15.48
800	1.14	17.13	5.69	18.92	17.73	14.57
900	1.29	16.88	4.42	19.03	17.12	14.47
1000	1.45	16.64	3.14	20.27	16.79	14.47
1100	1.63	16.37	1.93	22.86	16.65	14.87
1200	1.81	16.00	0.91	26.31	16.49	14.70
1300	2.08	15.51	0.06	28.29	16.17	13.60
1400	2.45	14.90	0.36	24.91	15.77	12.52
1500	2.90	14.53	0.23	22.79	15.59	11.92
1600	3.31	14.74	0.04	21.82	15.85	12.80
1700	3.45	15.54	0.31	21.97	16.17	14.22
1800	3.46	16.55	0.73	20.30	16.36	16.69
1900	3.34	17.76	0.81	17.80	16.30	18.85
2000	3.27	18.77	1.27	17.15	16.02	20.98
2100	3.20	19.50	1.47	17.59	15.17	20.43
2200	3.12	19.87	1.29	20.49	14.07	18.87
2300	3.07	19.74	0.99	21.14	12.81	15.81
2400	3.07	19.29	0.81	19.03	11.79	14.09
2500	3.38	18.41	1.12	14.38	10.72	12.71

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Directional Coupler

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Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -85°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLIN LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
2	0.45	19.13	25.81	25.00	26.38	25.96
3	0.44	19.13	26.19	25.54	27.17	26.40
4	0.42	19.14	26.56	26.08	27.97	26.83
5	0.41	19.14	26.94	26.62	28.76	27.27
10	0.37	19.15	28.13	28.41	31.52	28.69
15	0.37	19.15	28.02	28.49	32.00	28.69
20	0.37	19.17	27.79	28.33	32.06	28.52
25	0.38	19.17	27.73	28.06	32.04	28.27
30	0.38	19.17	27.56	27.80	32.02	27.99
35	0.39	19.17	27.30	27.54	31.98	27.71
40	0.39	19.17	27.04	27.31	31.91	27.46
45	0.39	19.19	26.78	27.11	31.80	27.22
50	0.40	19.19	26.47	26.94	31.74	27.02
75	0.41	19.21	25.18	26.74	30.93	26.60
100	0.43	19.25	23.91	27.69	29.72	27.10
125	0.45	19.27	22.36	29.55	28.67	28.34
150	0.47	19.29	21.08	31.26	27.75	29.73
175	0.49	19.30	19.61	31.48	26.87	30.21
200	0.51	19.30	18.44	30.36	26.09	29.23
225	0.53	19.29	17.19	29.03	25.35	27.62
250	0.57	19.28	16.12	28.11	24.75	25.99
275	0.59	19.27	15.00	27.57	24.27	24.71
300	0.62	19.24	14.09	27.13	23.90	23.75
325	0.66	19.21	13.13	26.40	23.51	22.92
350	0.68	19.19	12.29	25.48	23.16	22.21
375	0.73	19.14	11.54	24.51	22.87	21.49
400	0.75	19.11	10.87	23.89	22.62	20.78
425	0.79	19.06	10.18	23.60	22.38	20.34
450	0.82	19.04	9.51	23.44	22.13	19.88
475	0.86	18.98	8.94	23.26	21.91	19.40
500	0.90	18.95	8.31	22.90	21.66	18.84
600	1.06	18.75	6.37	21.42	20.66	16.88
700	1.23	18.54	4.89	20.56	19.45	15.81
800	1.38	18.27	3.74	19.36	18.20	14.40
900	1.52	18.04	2.78	18.55	16.88	13.55
1000	1.66	17.78	1.88	17.68	15.68	12.68
1100	1.81	17.48	1.11	17.35	14.75	12.44
1200	1.95	17.13	0.45	17.60	14.20	12.38
1300	2.17	16.75	0.10	17.94	14.13	12.41
1400	2.47	16.32	0.31	18.94	14.54	13.06
1500	2.79	16.24	0.29	20.67	15.35	13.42
1600	3.09	16.57	0.27	22.16	16.21	13.97
1700	3.31	17.43	0.25	22.41	16.45	13.51
1800	3.48	18.46	0.06	20.46	15.84	13.09
1900	3.53	19.79	0.26	18.20	14.65	12.30
2000	3.54	21.04	0.30	16.64	13.44	11.85
2100	3.50	22.39	0.74	15.03	12.22	11.51
2200	3.35	23.67	1.45	13.99	11.19	12.00
2300	3.29	24.68	2.27	13.34	10.35	12.59
2400	3.25	25.44	2.93	13.23	9.93	13.93
2500	3.53	25.37	2.59	13.99	9.96	15.35

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