

Directional Coupler

JDC-20-5+

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
50	0.40	20.43	30.42	29.22	30.49	28.10
75	0.40	20.49	30.59	30.66	32.00	29.90
100	0.40	20.53	30.78	31.48	33.07	31.32
125	0.40	20.57	31.10	32.30	33.82	32.53
150	0.41	20.60	31.30	32.87	34.43	33.70
175	0.42	20.62	31.63	33.14	34.86	34.80
200	0.42	20.64	31.82	33.41	35.13	35.92
250	0.44	20.68	32.17	33.83	35.53	38.35
300	0.46	20.71	32.17	33.58	35.35	41.17
350	0.48	20.73	31.83	33.55	35.51	44.62
400	0.49	20.75	30.69	33.01	35.39	46.19
425	0.50	20.75	29.93	32.79	35.22	45.14
450	0.51	20.75	29.36	32.62	35.07	43.52
475	0.52	20.76	28.46	32.29	35.09	41.86
500	0.53	20.77	27.83	31.99	35.00	40.06
525	0.54	20.76	27.09	31.67	34.88	38.51
550	0.55	20.75	26.40	31.45	34.74	37.15
575	0.57	20.74	25.81	31.09	34.71	35.92
600	0.57	20.73	25.12	30.66	34.56	34.77
650	0.60	20.72	23.95	30.08	34.34	32.87
700	0.63	20.71	22.59	29.30	34.15	31.22
725	0.63	20.69	22.33	29.11	34.54	30.46
750	0.64	20.69	21.69	28.93	34.40	29.72
775	0.66	20.65	21.46	28.63	34.51	29.04
800	0.67	20.62	21.21	28.41	34.74	28.43
850	0.69	20.59	20.25	27.71	34.54	27.23
900	0.71	20.51	19.96	27.30	34.98	26.20
950	0.74	20.48	19.26	26.80	34.93	25.19
1000	0.76	20.42	18.83	26.42	35.34	24.26
1050	0.79	20.36	18.56	26.02	35.31	23.40
1100	0.81	20.30	18.35	25.70	35.58	22.57
1150	0.84	20.25	18.13	25.33	35.68	21.80
1200	0.87	20.21	17.87	25.03	35.85	21.03
1250	0.90	20.15	17.89	24.75	36.16	20.31
1300	0.93	20.09	18.11	24.37	36.23	19.65
1350	0.96	20.10	18.00	24.16	36.56	18.98
1400	0.99	20.06	18.10	23.89	36.97	18.31
1425	1.00	20.04	18.29	23.82	37.20	17.98
1450	1.02	20.05	18.48	23.70	37.11	17.69
1475	1.03	20.01	18.79	23.53	37.06	17.37
1500	1.05	20.02	18.88	23.38	36.54	17.06

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Directional Coupler

JDC-20-5+

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
50	0.35	20.41	28.99	30.42	31.63	29.65
75	0.35	20.47	28.87	32.08	33.20	31.33
100	0.36	20.50	28.87	32.78	33.90	32.19
125	0.36	20.53	28.87	33.11	33.85	33.28
150	0.37	20.55	28.88	32.93	33.46	35.00
175	0.37	20.57	28.89	32.45	33.02	36.85
200	0.38	20.57	28.91	32.09	32.60	37.92
250	0.39	20.59	28.95	31.86	32.34	39.23
300	0.41	20.59	28.89	31.66	32.30	42.82
350	0.42	20.59	28.62	31.71	32.56	44.47
400	0.44	20.57	27.97	31.07	32.33	46.11
425	0.45	20.56	27.52	30.70	32.02	45.84
450	0.46	20.54	27.16	30.38	31.75	44.11
475	0.47	20.54	26.59	29.99	31.55	42.66
500	0.48	20.53	26.21	29.62	31.28	41.67
525	0.49	20.51	25.90	29.37	31.12	40.55
550	0.50	20.49	25.40	29.17	30.91	39.06
575	0.51	20.48	24.96	28.88	30.90	37.64
600	0.52	20.45	24.54	28.56	30.78	36.53
650	0.54	20.42	23.74	28.02	30.46	35.18
700	0.56	20.36	22.99	27.44	30.25	33.33
725	0.57	20.33	22.69	27.10	30.24	32.48
750	0.59	20.31	22.05	26.90	30.03	31.82
775	0.61	20.31	21.00	26.60	29.78	31.14
800	0.62	20.29	21.32	26.29	30.07	30.42
850	0.63	20.19	21.04	26.09	30.11	29.05
900	0.65	20.13	20.57	25.63	30.21	27.85
950	0.68	20.06	20.15	25.26	30.23	26.78
1000	0.71	20.01	19.81	24.83	30.34	25.70
1050	0.74	19.95	19.47	24.43	30.14	24.71
1100	0.77	19.89	19.24	24.21	30.16	23.76
1150	0.80	19.84	19.07	23.97	30.17	22.96
1200	0.82	19.79	19.06	23.66	30.13	22.16
1250	0.86	19.72	19.09	23.34	30.12	21.32
1300	0.89	19.68	19.42	22.91	30.08	20.57
1350	0.93	19.67	19.44	22.37	29.72	19.83
1400	0.96	19.79	19.15	22.40	31.34	19.01
1425	0.96	19.70	19.98	22.35	31.62	18.75
1450	0.98	19.69	20.31	22.25	31.43	18.43
1475	1.00	19.66	20.52	22.10	31.38	18.09
1500	1.01	19.66	20.96	22.02	31.21	17.77

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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
50	0.45	20.46	31.45	27.75	28.97	26.22
75	0.45	20.53	31.86	28.96	30.31	27.57
100	0.45	20.58	32.45	29.74	31.42	28.78
125	0.45	20.63	33.12	30.59	32.39	29.88
150	0.46	20.67	33.78	31.38	33.33	30.68
175	0.47	20.71	34.64	32.03	34.31	31.25
200	0.47	20.76	35.48	32.71	35.19	31.77
250	0.49	20.83	37.77	33.97	36.80	33.36
300	0.51	20.90	39.53	34.46	37.63	35.17
350	0.52	20.97	38.05	34.93	38.31	36.57
400	0.54	21.02	34.09	34.78	38.73	37.49
425	0.55	21.04	32.51	34.84	38.80	37.69
450	0.56	21.05	31.03	34.88	38.96	37.62
475	0.57	21.07	29.60	34.85	39.66	37.30
500	0.59	21.10	28.29	34.64	40.16	36.56
525	0.59	21.10	27.33	34.57	40.77	35.71
550	0.61	21.11	26.35	34.52	41.25	34.85
575	0.62	21.12	25.49	34.28	41.87	33.90
600	0.63	21.12	24.61	33.91	42.26	33.01
650	0.66	21.13	23.22	33.30	42.10	31.37
700	0.67	21.12	21.96	32.83	42.09	29.87
725	0.69	21.11	21.39	32.30	42.12	29.17
750	0.71	21.16	20.43	31.96	41.81	28.37
775	0.71	21.08	20.44	31.94	42.60	27.78
800	0.72	21.05	20.14	31.55	43.07	27.20
850	0.73	21.01	19.37	30.67	43.23	26.11
900	0.75	20.95	18.84	29.93	43.76	25.13
950	0.77	20.90	18.32	29.44	43.53	24.20
1000	0.80	20.84	17.87	29.02	43.88	23.31
1050	0.83	20.78	17.53	28.64	42.32	22.51
1100	0.85	20.72	17.28	28.39	42.22	21.73
1150	0.88	20.65	17.07	28.03	42.19	21.00
1200	0.90	20.60	17.01	27.68	43.35	20.32
1250	0.92	20.50	16.89	27.31	43.68	19.64
1300	0.95	20.44	17.04	26.72	43.92	19.03
1350	1.01	20.60	15.90	25.79	41.18	18.35
1400	0.99	20.39	16.51	26.18	49.85	17.72
1425	1.00	20.36	16.93	26.10	50.31	17.45
1450	1.01	20.31	16.99	25.98	48.29	17.12
1475	1.03	20.29	17.17	25.79	47.20	16.83
1500	1.04	20.26	17.30	25.72	45.00	16.52

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