

Directional Coupler

LRDC-20-2J+

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
100	1.19	22.05	12.17	6.97	6.90	7.12
200	0.49	21.89	15.01	11.85	11.78	12.21
250	0.39	21.81	15.87	13.44	13.39	13.90
290	0.35	21.74	16.25	14.47	14.43	15.03
300	0.35	21.73	16.32	14.70	14.65	15.28
320	0.34	21.70	16.46	15.13	15.09	15.76
350	0.32	21.64	16.59	15.70	15.66	16.43
400	0.31	21.54	16.70	16.51	16.50	17.39
450	0.31	21.45	16.64	17.21	17.20	18.21
500	0.30	21.32	16.68	17.67	17.70	18.93
550	0.30	21.19	16.58	18.06	18.11	19.56
600	0.31	21.05	16.44	18.41	18.47	20.12
650	0.31	20.90	16.26	18.70	18.75	20.62
690	0.32	20.79	16.12	18.83	18.92	21.00
700	0.32	20.76	16.09	18.89	18.96	21.09
750	0.33	20.60	15.89	19.05	19.12	21.51
800	0.34	20.44	15.64	19.12	19.21	21.87
880	0.36	20.19	15.29	19.24	19.36	22.37
890	0.36	20.16	15.25	19.24	19.36	22.43
900	0.37	20.13	15.15	19.26	19.37	22.48
910	0.37	20.12	15.01	19.29	19.41	22.53
920	0.37	20.08	15.04	19.29	19.40	22.56
950	0.38	19.97	14.94	19.24	19.38	22.71
1000	0.40	19.82	14.66	19.16	19.31	22.87
1050	0.41	19.66	14.38	19.12	19.30	23.00
1090	0.42	19.54	14.13	19.04	19.24	23.09
1100	0.43	19.52	13.97	19.02	19.22	23.10
1110	0.43	19.49	13.89	19.03	19.23	23.11
1120	0.43	19.46	13.89	19.04	19.24	23.11
1150	0.44	19.36	13.77	18.91	19.15	23.14
1200	0.46	19.23	13.37	18.87	19.13	23.18
1300	0.50	18.93	12.82	18.52	18.90	23.07
1400	0.56	18.69	12.25	18.26	18.78	22.70
1500	0.59	18.41	11.71	17.86	18.41	22.17
1600	0.64	18.22	11.15	17.50	18.10	21.40
1700	0.69	18.05	10.53	17.03	17.72	20.64
1800	0.75	17.89	9.90	16.71	17.32	19.75
1900	0.80	17.71	9.44	16.32	16.95	18.80
2000	0.87	17.53	9.09	15.82	16.55	17.85
2100	0.94	17.54	8.23	15.39	16.19	16.88
2200	0.99	17.45	7.77	14.97	15.77	15.79
2300	1.04	17.34	7.41	14.52	15.39	14.74
2400	1.10	17.25	7.13	13.98	14.93	13.71
2500	1.18	17.30	6.64	13.60	14.54	12.74
2750	1.37	17.38	5.65	12.43	13.69	10.44
3000	1.58	17.58	4.90	11.52	13.04	8.43
3250	1.81	17.92	4.15	10.88	12.63	6.78
3500	2.05	18.46	3.55	10.53	12.77	5.60
3750	2.25	19.45	2.05	10.75	13.50	4.93
4000	2.47	21.20	0.04	10.97	14.89	4.22
4250	2.69	23.55	2.26	11.69	18.50	3.28
4500	2.97	24.52	2.75	11.91	20.89	2.55
5000	4.82	23.67	2.08	11.24	9.12	1.96

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Directional Coupler

LRDC-20-2J+

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
100	1.18	22.02	12.32	6.90	6.84	7.11
200	0.46	21.86	15.28	11.78	11.72	12.10
250	0.36	21.78	16.10	13.24	13.19	13.75
290	0.32	21.71	16.43	14.33	14.28	14.85
300	0.31	21.70	16.52	14.57	14.52	15.10
320	0.30	21.67	16.65	14.99	14.94	15.58
350	0.28	21.61	16.84	15.49	15.44	16.23
400	0.26	21.51	16.92	16.22	16.22	17.16
450	0.26	21.41	16.86	16.90	16.90	17.93
500	0.25	21.28	16.83	17.31	17.33	18.61
550	0.24	21.15	16.74	17.74	17.80	19.22
600	0.24	21.01	16.64	17.98	18.05	19.77
650	0.24	20.86	16.33	18.21	18.28	20.24
690	0.25	20.74	16.18	18.41	18.50	20.57
700	0.25	20.71	16.13	18.46	18.53	20.64
750	0.25	20.55	15.94	18.57	18.63	20.99
800	0.25	20.40	15.66	18.70	18.77	21.31
880	0.27	20.14	15.40	18.75	18.85	21.80
890	0.27	20.11	15.36	18.72	18.82	21.86
900	0.28	20.09	15.26	18.71	18.81	21.91
910	0.28	20.07	15.11	18.70	18.82	21.95
920	0.28	20.03	15.14	18.68	18.78	21.98
950	0.29	19.92	14.97	18.57	18.70	22.12
1000	0.30	19.76	14.64	18.49	18.61	22.26
1050	0.30	19.60	14.37	18.55	18.72	22.41
1090	0.31	19.47	14.13	18.51	18.70	22.56
1100	0.33	19.46	13.98	18.48	18.67	22.58
1110	0.33	19.43	13.90	18.49	18.67	22.60
1120	0.32	19.40	13.89	18.50	18.68	22.63
1150	0.33	19.29	13.79	18.38	18.60	22.71
1200	0.35	19.16	13.43	18.37	18.61	22.78
1300	0.38	18.85	12.73	17.93	18.30	22.56
1400	0.42	18.62	12.32	17.92	18.45	22.16
1500	0.45	18.32	11.67	17.50	18.04	21.81
1600	0.49	18.11	11.24	17.16	17.78	21.06
1700	0.54	17.95	10.48	16.68	17.28	20.32
1800	0.58	17.75	9.97	16.45	16.99	19.58
1900	0.63	17.58	9.60	16.29	16.91	18.82
2000	0.69	17.39	9.22	15.73	16.55	17.95
2100	0.75	17.42	8.53	15.39	16.28	17.06
2200	0.82	17.32	7.78	14.33	15.09	15.89
2300	0.85	17.18	7.48	14.30	15.11	14.79
2400	0.90	17.09	7.20	13.84	14.80	13.84
2500	0.99	17.11	6.86	13.31	14.27	12.90
2750	1.16	17.21	5.69	12.03	13.18	10.42
3000	1.38	17.42	4.87	11.07	12.50	8.40
3250	1.56	17.72	4.24	10.52	12.17	6.78
3500	1.80	18.24	3.47	9.94	12.01	5.58
3750	1.95	19.08	2.26	10.27	12.85	4.90
4000	2.17	20.60	0.26	10.62	14.41	4.34
4250	2.27	23.06	1.96	11.29	16.81	3.32
4500	2.52	23.85	2.41	11.94	19.77	2.53
5000	4.17	23.62	2.18	11.21	9.40	1.76

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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)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
100	1.20	22.08	12.07	7.03	6.94	7.14
200	0.51	21.90	14.86	11.92	11.84	12.29
250	0.41	21.83	15.65	13.62	13.56	14.04
290	0.38	21.78	16.06	14.68	14.63	15.21
300	0.37	21.77	16.15	14.90	14.85	15.47
320	0.37	21.74	16.30	15.31	15.27	15.98
350	0.35	21.68	16.42	15.89	15.86	16.66
400	0.34	21.58	16.54	16.78	16.78	17.66
450	0.34	21.47	16.59	17.49	17.51	18.52
500	0.34	21.35	16.57	18.01	18.05	19.28
550	0.35	21.23	16.47	18.44	18.51	19.94
600	0.35	21.09	16.37	18.82	18.91	20.56
650	0.36	20.94	16.25	19.15	19.23	21.10
690	0.37	20.82	16.14	19.31	19.43	21.52
700	0.37	20.79	16.08	19.35	19.47	21.60
750	0.38	20.63	15.93	19.52	19.64	22.07
800	0.39	20.48	15.67	19.64	19.77	22.47
880	0.42	20.23	15.36	19.82	19.98	23.06
890	0.42	20.20	15.31	19.82	19.99	23.12
900	0.43	20.17	15.24	19.83	20.00	23.17
910	0.43	20.15	15.15	19.86	20.04	23.22
920	0.43	20.12	15.12	19.86	20.03	23.27
950	0.44	20.01	15.01	19.79	19.98	23.43
1000	0.47	19.86	14.74	19.70	19.89	23.60
1050	0.48	19.71	14.46	19.67	19.90	23.73
1090	0.49	19.58	14.23	19.53	19.78	23.81
1100	0.51	19.57	14.02	19.54	19.78	23.82
1110	0.51	19.55	13.94	19.53	19.78	23.81
1120	0.51	19.51	13.97	19.48	19.75	23.80
1150	0.52	19.41	13.82	19.36	19.65	23.82
1200	0.54	19.28	13.47	19.39	19.69	23.80
1300	0.59	18.99	12.89	18.88	19.31	23.59
1400	0.65	18.75	12.30	18.53	19.07	23.11
1500	0.69	18.50	11.75	18.07	18.66	22.39
1600	0.75	18.34	11.07	17.66	18.29	21.60
1700	0.81	18.13	10.62	17.23	17.98	20.83
1800	0.87	18.01	9.80	16.77	17.40	19.84
1900	0.93	17.84	9.29	16.37	16.97	18.73
2000	1.00	17.66	8.98	15.86	16.50	17.69
2100	1.09	17.70	8.04	15.34	16.25	16.62
2200	1.12	17.56	7.79	15.16	15.90	15.52
2300	1.19	17.47	7.31	14.43	15.37	14.46
2400	1.27	17.41	7.01	13.92	14.86	13.40
2500	1.35	17.45	6.51	13.63	14.61	12.45
2750	1.53	17.52	5.69	12.63	13.90	10.28
3000	1.76	17.73	4.96	11.87	13.45	8.31
3250	1.99	18.14	3.98	11.22	13.21	6.71
3500	2.27	18.69	3.47	11.01	13.57	5.59
3750	2.45	19.89	1.70	11.39	14.69	4.87
4000	2.66	21.86	0.19	11.64	16.19	4.07
4250	2.94	23.76	2.07	12.03	20.08	3.23
4500	3.39	24.67	2.80	12.28	22.14	2.60
5000	5.35	23.70	2.81	11.59	9.15	2.17

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