

2 Way-90° Power Splitter/Combiner

LRPQ-70

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
40	1.39	5.86	4.47	0.37	34.53	1.10	1.08	1.06
45	1.68	5.15	3.47	0.46	33.44	1.10	1.08	1.06
50	1.99	4.56	2.57	0.53	32.42	1.10	1.09	1.06
55	2.30	4.07	1.76	0.62	31.59	1.10	1.09	1.06
60	2.62	3.64	1.03	0.71	30.82	1.10	1.09	1.06
65	2.93	3.29	0.36	0.81	30.10	1.10	1.09	1.05
66	2.99	3.23	0.23	0.82	29.97	1.10	1.09	1.05
68	3.12	3.10	0.03	0.85	29.69	1.10	1.09	1.05
70	3.25	2.98	0.26	0.87	29.47	1.10	1.09	1.05
72	3.37	2.88	0.49	0.92	29.25	1.10	1.09	1.05
74	3.50	2.76	0.73	0.93	29.05	1.10	1.09	1.05
75	3.56	2.72	0.84	0.94	28.91	1.10	1.09	1.05
80	3.86	2.49	1.37	1.02	28.42	1.11	1.09	1.05
85	4.16	2.30	1.86	1.12	27.97	1.11	1.09	1.05
90	4.45	2.12	2.33	1.21	27.54	1.11	1.09	1.05
95	4.73	1.98	2.75	1.29	27.11	1.11	1.09	1.04
100	5.01	1.85	3.17	1.40	26.71	1.11	1.09	1.04
105	5.27	1.73	3.55	1.51	26.33	1.11	1.09	1.04
110	5.53	1.63	3.90	1.60	25.95	1.11	1.09	1.04
115	5.78	1.53	4.24	1.71	25.58	1.11	1.09	1.04
120	6.02	1.45	4.57	1.84	25.21	1.11	1.09	1.04
125	6.25	1.39	4.87	1.95	24.89	1.12	1.09	1.04
130	6.48	1.33	5.15	2.08	24.56	1.12	1.10	1.04
135	6.69	1.27	5.41	2.23	24.24	1.12	1.10	1.04
140	6.89	1.22	5.67	2.36	23.95	1.12	1.10	1.04
145	7.09	1.18	5.91	2.52	23.65	1.13	1.10	1.05
150	7.27	1.14	6.13	2.68	23.34	1.13	1.11	1.05

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-90° Power Splitter/Combiner

LRPQ-70

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
40	1.38	5.85	4.47	0.31	33.85	1.10	1.09	1.07
45	1.67	5.14	3.47	0.41	32.62	1.11	1.10	1.07
50	1.97	4.55	2.58	0.49	31.53	1.12	1.11	1.08
55	2.28	4.06	1.77	0.56	30.63	1.12	1.11	1.07
60	2.60	3.63	1.04	0.67	29.84	1.13	1.12	1.07
65	2.91	3.28	0.37	0.76	29.17	1.13	1.12	1.07
66	2.97	3.21	0.24	0.78	29.04	1.13	1.12	1.07
68	3.10	3.09	0.02	0.81	28.79	1.13	1.12	1.06
70	3.22	2.96	0.26	0.85	28.60	1.13	1.12	1.06
72	3.34	2.86	0.48	0.88	28.40	1.13	1.12	1.06
74	3.47	2.75	0.71	0.91	28.24	1.12	1.12	1.06
75	3.53	2.70	0.83	0.91	28.12	1.12	1.12	1.06
80	3.83	2.47	1.36	1.01	27.73	1.12	1.12	1.05
85	4.13	2.27	1.86	1.09	27.40	1.12	1.11	1.05
90	4.41	2.10	2.32	1.19	27.12	1.12	1.11	1.05
95	4.70	1.95	2.75	1.26	26.83	1.12	1.11	1.04
100	4.97	1.81	3.16	1.38	26.57	1.11	1.10	1.04
105	5.23	1.70	3.54	1.47	26.32	1.11	1.10	1.04
110	5.49	1.59	3.91	1.56	26.04	1.11	1.10	1.04
115	5.74	1.50	4.24	1.66	25.74	1.11	1.10	1.04
120	5.98	1.41	4.56	1.78	25.40	1.11	1.10	1.03
125	6.21	1.34	4.87	1.87	25.07	1.11	1.10	1.03
130	6.44	1.28	5.16	1.99	24.70	1.11	1.10	1.03
135	6.64	1.22	5.42	2.13	24.33	1.12	1.11	1.03
140	6.85	1.17	5.68	2.25	23.97	1.12	1.11	1.04
145	7.04	1.13	5.91	2.40	23.60	1.13	1.12	1.04
150	7.22	1.09	6.13	2.58	23.23	1.13	1.13	1.04

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-90° Power Splitter/Combiner

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Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
40	1.40	5.85	4.45	0.37	35.23	1.09	1.07	1.05
45	1.69	5.14	3.45	0.47	34.35	1.09	1.07	1.05
50	2.00	4.55	2.55	0.55	33.53	1.08	1.07	1.05
55	2.31	4.06	1.74	0.62	32.84	1.08	1.06	1.04
60	2.63	3.63	1.01	0.74	32.18	1.08	1.06	1.04
65	2.94	3.28	0.33	0.80	31.49	1.08	1.06	1.04
66	3.00	3.21	0.21	0.83	31.36	1.08	1.06	1.04
68	3.13	3.09	0.05	0.86	31.07	1.08	1.06	1.04
70	3.26	2.97	0.29	0.88	30.84	1.08	1.06	1.04
72	3.38	2.86	0.52	0.91	30.57	1.08	1.06	1.04
74	3.51	2.76	0.75	0.94	30.34	1.08	1.06	1.04
75	3.57	2.71	0.86	0.95	30.17	1.08	1.06	1.04
80	3.88	2.48	1.40	1.03	29.53	1.09	1.06	1.04
85	4.18	2.29	1.89	1.11	28.91	1.09	1.07	1.04
90	4.47	2.12	2.35	1.20	28.28	1.09	1.07	1.05
95	4.75	1.97	2.78	1.29	27.68	1.10	1.08	1.04
100	5.02	1.85	3.18	1.41	27.13	1.10	1.08	1.04
105	5.29	1.73	3.56	1.51	26.62	1.10	1.09	1.04
110	5.55	1.63	3.92	1.61	26.14	1.11	1.09	1.04
115	5.80	1.54	4.26	1.75	25.70	1.11	1.09	1.04
120	6.04	1.46	4.57	1.88	25.28	1.11	1.10	1.04
125	6.27	1.39	4.88	1.99	24.91	1.11	1.10	1.04
130	6.50	1.33	5.17	2.14	24.57	1.12	1.10	1.04
135	6.71	1.27	5.43	2.30	24.25	1.12	1.10	1.05
140	6.91	1.23	5.69	2.44	23.98	1.13	1.10	1.05
145	7.11	1.18	5.93	2.61	23.71	1.13	1.10	1.06
150	7.29	1.14	6.15	2.78	23.44	1.14	1.10	1.06

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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