

2 Way-0° Power Splitter/Combiner

LRPS-2-1+

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
5	3.21	3.22	0.00	0.01	44.75	1.09	1.17	1.17
10	3.24	3.23	0.01	0.02	63.34	1.09	1.16	1.17
15	3.24	3.24	0.01	0.04	49.68	1.09	1.16	1.17
20	3.24	3.23	0.01	0.01	45.53	1.09	1.16	1.17
25	3.24	3.24	0.00	0.02	43.15	1.09	1.16	1.17
30	3.24	3.24	0.00	0.01	41.65	1.09	1.15	1.17
35	3.24	3.24	0.00	0.05	40.42	1.09	1.15	1.17
40	3.25	3.25	0.00	0.05	39.49	1.10	1.15	1.16
45	3.26	3.25	0.01	0.06	38.72	1.10	1.15	1.16
50	3.26	3.26	0.00	0.05	38.00	1.10	1.15	1.16
55	3.26	3.26	0.00	0.07	37.36	1.10	1.15	1.16
60	3.27	3.26	0.00	0.09	36.74	1.10	1.15	1.16
65	3.27	3.27	0.00	0.09	36.21	1.10	1.15	1.16
70	3.27	3.27	0.00	0.10	35.71	1.11	1.15	1.16
75	3.28	3.27	0.01	0.11	35.28	1.11	1.15	1.16
100	3.29	3.29	0.00	0.15	33.64	1.11	1.15	1.16
125	3.31	3.31	0.00	0.19	32.32	1.12	1.15	1.16
150	3.33	3.32	0.01	0.17	31.13	1.12	1.14	1.15
175	3.35	3.34	0.01	0.23	30.23	1.12	1.14	1.15
200	3.37	3.35	0.01	0.27	29.63	1.13	1.14	1.15
225	3.39	3.37	0.02	0.28	29.16	1.13	1.14	1.14
250	3.40	3.38	0.02	0.33	28.76	1.13	1.14	1.14
275	3.42	3.39	0.03	0.33	28.45	1.14	1.13	1.14
300	3.44	3.40	0.03	0.34	28.27	1.14	1.13	1.13
325	3.46	3.42	0.04	0.36	28.33	1.14	1.13	1.14
350	3.48	3.44	0.04	0.36	28.55	1.15	1.13	1.14
375	3.51	3.46	0.05	0.38	28.87	1.15	1.13	1.14
400	3.53	3.48	0.05	0.36	29.37	1.16	1.13	1.14
425	3.57	3.50	0.06	0.35	29.99	1.17	1.14	1.14
450	3.60	3.53	0.07	0.29	30.73	1.18	1.15	1.15
475	3.65	3.57	0.07	0.24	31.16	1.21	1.16	1.16
500	3.70	3.62	0.08	0.19	30.91	1.24	1.18	1.18
525	3.77	3.68	0.09	0.09	29.67	1.27	1.21	1.20
550	3.85	3.76	0.09	0.01	27.66	1.32	1.24	1.22
575	3.96	3.86	0.10	0.15	25.35	1.39	1.28	1.26
600	4.10	3.99	0.11	0.31	23.05	1.47	1.33	1.30
625	4.28	4.15	0.13	0.51	20.94	1.56	1.38	1.35
650	4.50	4.36	0.14	0.71	18.98	1.69	1.45	1.40
675	4.78	4.63	0.15	1.03	17.21	1.83	1.52	1.47
700	5.14	4.97	0.17	1.36	15.59	2.01	1.60	1.54
725	5.59	5.40	0.19	1.75	14.15	2.23	1.70	1.62
730	5.69	5.50	0.19	1.81	13.88	2.27	1.72	1.64

¹Total Loss = Insertion Loss + 3dB Splitter Loss



2 Way-0° Power Splitter/Combiner

LRPS-2-1+

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
5	3.25	3.26	0.01	0.03	29.53	1.09	1.24	1.25
10	3.21	3.21	0.00	0.07	34.42	1.09	1.17	1.18
15	3.19	3.19	0.00	0.11	37.42	1.10	1.14	1.16
20	3.18	3.18	0.00	0.10	38.86	1.10	1.13	1.15
25	3.17	3.18	0.01	0.11	39.28	1.10	1.12	1.15
30	3.17	3.17	0.00	0.12	39.01	1.11	1.12	1.14
35	3.17	3.17	0.00	0.12	38.45	1.11	1.11	1.14
40	3.17	3.18	0.00	0.14	37.79	1.11	1.11	1.14
45	3.18	3.18	0.01	0.14	37.13	1.12	1.11	1.14
50	3.18	3.19	0.01	0.20	36.49	1.12	1.11	1.14
55	3.18	3.19	0.01	0.20	35.89	1.12	1.11	1.14
60	3.18	3.19	0.01	0.19	35.32	1.13	1.11	1.13
65	3.19	3.19	0.01	0.22	34.82	1.13	1.11	1.13
70	3.19	3.20	0.00	0.24	34.38	1.13	1.11	1.13
75	3.19	3.20	0.00	0.25	34.04	1.13	1.11	1.13
100	3.20	3.21	0.00	0.34	33.22	1.13	1.12	1.11
125	3.21	3.22	0.01	0.41	32.90	1.12	1.12	1.11
150	3.23	3.23	0.01	0.53	31.69	1.13	1.11	1.11
175	3.24	3.25	0.01	0.62	30.01	1.15	1.11	1.11
200	3.26	3.26	0.00	0.74	28.91	1.16	1.12	1.11
225	3.27	3.27	0.00	0.82	28.71	1.16	1.12	1.11
250	3.28	3.27	0.01	0.91	28.81	1.15	1.11	1.11
275	3.30	3.29	0.01	1.03	28.51	1.16	1.11	1.12
300	3.31	3.30	0.01	1.14	27.89	1.17	1.11	1.12
325	3.33	3.32	0.02	1.27	27.74	1.17	1.12	1.12
350	3.34	3.32	0.02	1.37	28.20	1.16	1.11	1.11
375	3.36	3.34	0.03	1.49	28.85	1.16	1.11	1.11
400	3.38	3.35	0.03	1.63	29.16	1.17	1.11	1.12
425	3.41	3.37	0.04	1.76	29.22	1.18	1.12	1.12
450	3.44	3.40	0.05	1.95	29.59	1.19	1.14	1.13
475	3.48	3.42	0.05	2.09	30.00	1.20	1.15	1.14
500	3.52	3.46	0.06	2.26	29.65	1.23	1.17	1.16
525	3.58	3.52	0.06	2.47	28.35	1.27	1.19	1.18
550	3.66	3.58	0.07	2.70	26.45	1.32	1.23	1.21
575	3.76	3.68	0.08	2.91	24.28	1.40	1.28	1.25
600	3.89	3.80	0.09	3.17	22.11	1.48	1.32	1.29
625	4.06	3.95	0.11	3.43	20.12	1.59	1.38	1.34
650	4.28	4.16	0.12	3.75	18.26	1.72	1.45	1.40
675	4.56	4.42	0.13	4.11	16.53	1.89	1.53	1.47
700	4.90	4.76	0.14	4.48	14.92	2.09	1.61	1.55
725	5.35	5.19	0.16	4.91	13.50	2.34	1.70	1.64
730	5.45	5.28	0.17	5.00	13.24	2.39	1.72	1.65

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° 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. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
5	3.30	3.30	0.01	0.00	37.27	1.07	1.22	1.22
10	3.33	3.32	0.01	0.01	37.80	1.07	1.21	1.22
15	3.33	3.33	0.01	0.00	37.07	1.07	1.21	1.22
20	3.33	3.32	0.01	0.07	36.19	1.07	1.21	1.22
25	3.33	3.33	0.01	0.10	35.34	1.07	1.21	1.21
30	3.34	3.33	0.01	0.14	34.65	1.07	1.21	1.21
35	3.34	3.33	0.01	0.22	34.04	1.08	1.21	1.21
40	3.35	3.34	0.01	0.23	33.54	1.08	1.21	1.21
45	3.35	3.34	0.01	0.29	33.17	1.08	1.21	1.21
50	3.36	3.35	0.01	0.30	32.82	1.08	1.22	1.20
55	3.36	3.35	0.01	0.36	32.58	1.07	1.21	1.20
60	3.36	3.35	0.01	0.40	32.38	1.07	1.21	1.20
65	3.36	3.36	0.01	0.47	32.25	1.07	1.21	1.20
70	3.37	3.36	0.01	0.48	32.14	1.07	1.21	1.20
75	3.37	3.37	0.01	0.50	32.09	1.07	1.21	1.20
100	3.38	3.39	0.00	0.66	31.99	1.08	1.19	1.21
125	3.40	3.41	0.01	0.81	31.08	1.10	1.19	1.22
150	3.43	3.43	0.00	0.88	29.59	1.11	1.19	1.21
175	3.44	3.44	0.00	1.06	28.65	1.10	1.19	1.20
200	3.46	3.45	0.01	1.22	28.51	1.10	1.18	1.20
225	3.48	3.47	0.01	1.35	28.58	1.10	1.17	1.19
250	3.50	3.48	0.02	1.47	28.27	1.11	1.17	1.19
275	3.52	3.50	0.02	1.58	27.76	1.12	1.17	1.18
300	3.54	3.51	0.03	1.72	27.51	1.12	1.17	1.17
325	3.57	3.54	0.04	1.89	27.81	1.12	1.16	1.17
350	3.59	3.55	0.04	2.01	28.38	1.12	1.15	1.17
375	3.63	3.58	0.05	2.11	28.91	1.14	1.16	1.17
400	3.66	3.61	0.05	2.20	29.39	1.15	1.16	1.17
425	3.70	3.64	0.06	2.32	30.12	1.16	1.17	1.18
450	3.74	3.67	0.07	2.35	31.40	1.18	1.18	1.18
475	3.80	3.72	0.08	2.40	32.89	1.21	1.19	1.19
500	3.86	3.78	0.09	2.45	33.39	1.24	1.21	1.21
525	3.94	3.85	0.09	2.43	32.04	1.28	1.23	1.23
550	4.03	3.93	0.11	2.41	29.77	1.33	1.27	1.25
575	4.15	4.03	0.12	2.38	27.13	1.39	1.30	1.28
600	4.30	4.16	0.14	2.29	24.51	1.47	1.35	1.31
625	4.49	4.33	0.16	2.16	22.14	1.56	1.40	1.36
650	4.72	4.54	0.19	2.01	20.03	1.68	1.46	1.41
675	5.01	4.80	0.21	1.78	18.18	1.81	1.53	1.46
700	5.36	5.13	0.23	1.54	16.50	1.97	1.61	1.53
725	5.80	5.54	0.27	1.19	15.01	2.17	1.70	1.60
730	5.90	5.63	0.27	1.12	14.73	2.21	1.72	1.62

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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