

2 Way-0° Power Splitter/Combiner

LRPS-2-980J

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
200	3.46	3.72	0.26	1.38	10.45	1.91	1.42	1.48
225	3.46	3.72	0.26	1.38	11.13	1.90	1.40	1.45
250	3.45	3.71	0.26	1.40	11.74	1.89	1.37	1.44
275	3.45	3.71	0.26	1.41	12.28	1.88	1.36	1.42
300	3.45	3.69	0.25	1.42	12.77	1.86	1.34	1.41
325	3.44	3.69	0.25	1.44	13.24	1.84	1.33	1.40
350	3.43	3.67	0.23	1.45	13.66	1.83	1.32	1.39
375	3.43	3.66	0.23	1.46	14.06	1.81	1.30	1.38
400	3.43	3.64	0.22	1.47	14.43	1.79	1.29	1.37
425	3.42	3.62	0.20	1.49	14.81	1.76	1.28	1.36
450	3.41	3.60	0.19	1.49	15.16	1.74	1.27	1.35
475	3.40	3.59	0.18	1.46	15.54	1.71	1.26	1.34
500	3.39	3.56	0.17	1.50	15.90	1.68	1.25	1.33
525	3.39	3.54	0.15	1.47	16.31	1.65	1.24	1.32
550	3.38	3.51	0.13	1.46	16.71	1.62	1.22	1.31
575	3.37	3.49	0.11	1.46	17.17	1.59	1.21	1.30
600	3.36	3.46	0.10	1.45	17.65	1.55	1.20	1.28
625	3.36	3.44	0.08	1.39	18.19	1.52	1.19	1.27
650	3.35	3.41	0.06	1.34	18.78	1.48	1.17	1.25
675	3.34	3.38	0.04	1.29	19.45	1.43	1.16	1.24
700	3.33	3.35	0.02	1.20	20.23	1.39	1.14	1.22
725	3.33	3.33	0.00	1.10	21.13	1.34	1.13	1.20
750	3.32	3.30	0.02	0.99	22.20	1.30	1.11	1.19
775	3.32	3.28	0.05	0.86	23.48	1.25	1.10	1.17
800	3.32	3.25	0.07	0.72	25.02	1.20	1.09	1.15
825	3.33	3.23	0.10	0.55	26.85	1.14	1.08	1.13
850	3.34	3.22	0.12	0.36	28.73	1.09	1.08	1.11
860	3.34	3.22	0.12	0.32	29.31	1.07	1.08	1.10
870	3.35	3.22	0.13	0.20	29.65	1.05	1.09	1.09
880	3.36	3.22	0.15	0.10	29.67	1.03	1.09	1.08
890	3.37	3.22	0.15	0.02	29.23	1.03	1.10	1.07
900	3.38	3.21	0.17	0.10	28.49	1.04	1.10	1.07
910	3.39	3.22	0.17	0.21	27.59	1.07	1.11	1.06
920	3.41	3.22	0.19	0.34	26.56	1.09	1.12	1.05
930	3.42	3.23	0.19	0.43	25.49	1.12	1.13	1.05
940	3.44	3.24	0.20	0.57	24.45	1.15	1.14	1.04
950	3.46	3.25	0.21	0.72	23.45	1.18	1.15	1.04
960	3.49	3.26	0.22	0.86	22.49	1.22	1.16	1.05
970	3.51	3.28	0.23	1.00	21.56	1.25	1.18	1.05
980	3.54	3.30	0.24	1.16	20.70	1.29	1.19	1.06
990	3.58	3.33	0.25	1.30	19.87	1.33	1.21	1.07
1000	3.61	3.35	0.26	1.51	19.11	1.38	1.22	1.08
1025	3.72	3.43	0.29	1.99	17.35	1.50	1.26	1.11
1050	3.85	3.55	0.31	2.53	15.78	1.65	1.31	1.14
1075	4.02	3.69	0.33	3.09	14.34	1.83	1.36	1.18
1100	4.22	3.87	0.35	3.83	13.08	2.03	1.41	1.22
1125	4.46	4.10	0.36	4.62	11.94	2.28	1.47	1.27
1150	4.75	4.37	0.38	5.57	10.89	2.58	1.53	1.31
1175	5.09	4.70	0.40	6.56	9.96	2.94	1.59	1.37
1200	5.49	5.08	0.41	7.76	9.12	3.36	1.66	1.41
1225	5.94	5.52	0.42	9.06	8.38	3.87	1.72	1.46
1250	6.45	6.03	0.43	10.69	7.71	4.48	1.78	1.51
1275	7.03	6.59	0.44	12.50	7.12	5.18	1.84	1.55
1300	7.69	7.21	0.49	14.32	6.61	5.99	1.89	1.59

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

LRPS-2-980J

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
200	3.42	3.69	0.27	0.70	10.48	1.94	1.46	1.52
225	3.40	3.69	0.29	0.59	11.10	1.92	1.41	1.49
250	3.39	3.68	0.29	0.44	11.73	1.91	1.39	1.46
275	3.39	3.67	0.28	0.26	12.30	1.89	1.38	1.44
300	3.38	3.65	0.27	0.17	12.75	1.88	1.37	1.43
325	3.38	3.64	0.27	0.11	13.18	1.86	1.35	1.41
350	3.36	3.62	0.26	0.04	13.60	1.84	1.33	1.40
375	3.36	3.60	0.25	0.11	14.02	1.82	1.32	1.39
400	3.35	3.58	0.23	0.19	14.37	1.80	1.31	1.38
425	3.34	3.56	0.22	0.24	14.71	1.78	1.29	1.37
450	3.32	3.54	0.22	0.32	15.05	1.75	1.28	1.36
475	3.32	3.52	0.21	0.47	15.42	1.73	1.26	1.35
500	3.31	3.50	0.19	0.56	15.74	1.70	1.25	1.33
525	3.30	3.47	0.17	0.69	16.10	1.68	1.24	1.32
550	3.28	3.45	0.16	0.79	16.50	1.64	1.23	1.31
575	3.27	3.42	0.14	0.91	16.96	1.60	1.21	1.29
600	3.26	3.39	0.13	1.05	17.43	1.57	1.20	1.28
625	3.25	3.36	0.11	1.20	17.94	1.53	1.18	1.27
650	3.24	3.33	0.09	1.34	18.54	1.50	1.17	1.25
675	3.23	3.30	0.07	1.50	19.24	1.45	1.16	1.24
700	3.22	3.27	0.06	1.70	20.03	1.41	1.15	1.23
725	3.21	3.24	0.04	1.92	20.96	1.36	1.13	1.21
750	3.19	3.21	0.02	2.11	22.09	1.31	1.12	1.19
775	3.19	3.18	0.01	2.35	23.39	1.26	1.10	1.17
800	3.19	3.16	0.03	2.60	24.97	1.21	1.09	1.15
825	3.19	3.13	0.06	2.91	26.97	1.16	1.08	1.13
850	3.20	3.12	0.08	3.19	29.26	1.10	1.08	1.11
860	3.20	3.12	0.08	3.27	29.99	1.08	1.08	1.10
870	3.21	3.11	0.09	3.44	30.45	1.06	1.08	1.09
880	3.22	3.11	0.10	3.57	30.54	1.04	1.09	1.08
890	3.22	3.11	0.12	3.72	30.15	1.03	1.10	1.07
900	3.23	3.11	0.12	3.87	29.45	1.04	1.10	1.07
910	3.25	3.11	0.14	4.03	28.55	1.06	1.11	1.06
920	3.26	3.11	0.15	4.17	27.45	1.08	1.12	1.06
930	3.27	3.12	0.15	4.31	26.25	1.11	1.13	1.05
940	3.29	3.12	0.16	4.49	25.11	1.14	1.15	1.04
950	3.31	3.13	0.17	4.68	23.96	1.18	1.16	1.04
960	3.33	3.15	0.18	4.89	22.88	1.22	1.17	1.05
970	3.35	3.17	0.19	5.07	21.87	1.25	1.19	1.05
980	3.39	3.18	0.21	5.25	20.95	1.29	1.20	1.06
990	3.42	3.20	0.21	5.42	20.06	1.33	1.22	1.07
1000	3.45	3.23	0.22	5.66	19.29	1.38	1.23	1.08
1025	3.55	3.31	0.24	6.26	17.52	1.50	1.27	1.11
1050	3.68	3.41	0.27	6.87	15.90	1.65	1.32	1.15
1075	3.84	3.56	0.29	7.61	14.42	1.84	1.38	1.19
1100	4.04	3.73	0.30	8.37	13.10	2.05	1.43	1.23
1125	4.27	3.95	0.32	9.27	11.95	2.30	1.49	1.28
1150	4.55	4.22	0.34	10.28	10.90	2.61	1.56	1.32
1175	4.89	4.54	0.35	11.39	9.94	3.00	1.63	1.38
1200	5.29	4.92	0.37	12.67	9.08	3.45	1.69	1.43
1225	5.73	5.35	0.38	14.10	8.32	3.98	1.75	1.48
1250	6.22	5.84	0.38	15.69	7.65	4.63	1.81	1.53
1275	6.80	6.40	0.40	17.68	7.06	5.41	1.87	1.58
1300	7.46	7.02	0.44	19.61	6.54	6.33	1.93	1.62

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

LRPS-2-980J

Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10dBm @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
200	3.46	3.73	0.27	2.42	10.37	1.90	1.39	1.45
225	3.47	3.72	0.26	2.47	11.11	1.88	1.38	1.42
250	3.47	3.72	0.24	2.68	11.72	1.88	1.36	1.41
275	3.48	3.72	0.24	2.88	12.21	1.87	1.33	1.40
300	3.47	3.71	0.24	3.04	12.69	1.86	1.31	1.39
325	3.46	3.71	0.24	3.15	13.22	1.83	1.31	1.38
350	3.46	3.69	0.23	3.30	13.70	1.82	1.30	1.38
375	3.45	3.67	0.22	3.42	14.10	1.80	1.29	1.37
400	3.45	3.66	0.21	3.57	14.46	1.78	1.28	1.36
425	3.44	3.64	0.20	3.73	14.86	1.75	1.27	1.35
450	3.43	3.62	0.19	3.85	15.28	1.72	1.26	1.34
475	3.43	3.60	0.17	3.95	15.68	1.69	1.25	1.34
500	3.42	3.58	0.16	4.10	16.06	1.67	1.24	1.32
525	3.42	3.56	0.14	4.21	16.47	1.64	1.23	1.32
550	3.41	3.54	0.13	4.34	16.92	1.61	1.22	1.30
575	3.40	3.52	0.11	4.47	17.41	1.57	1.21	1.29
600	3.40	3.49	0.10	4.56	17.95	1.54	1.20	1.28
625	3.39	3.47	0.07	4.62	18.52	1.50	1.19	1.27
650	3.39	3.44	0.06	4.73	19.13	1.46	1.18	1.26
675	3.38	3.42	0.04	4.79	19.85	1.42	1.16	1.24
700	3.37	3.39	0.02	4.83	20.67	1.38	1.15	1.23
725	3.37	3.36	0.01	4.85	21.62	1.33	1.14	1.21
750	3.37	3.34	0.03	4.89	22.71	1.28	1.12	1.19
775	3.37	3.32	0.05	4.90	23.94	1.24	1.11	1.17
800	3.37	3.29	0.08	4.87	25.42	1.18	1.10	1.16
825	3.38	3.28	0.10	4.85	27.06	1.13	1.09	1.13
850	3.40	3.27	0.13	4.77	28.37	1.08	1.08	1.11
860	3.40	3.27	0.13	4.75	28.58	1.06	1.08	1.10
870	3.41	3.27	0.14	4.71	28.55	1.03	1.08	1.10
880	3.42	3.27	0.15	4.66	28.27	1.01	1.08	1.08
890	3.43	3.27	0.16	4.62	27.74	1.02	1.09	1.07
900	3.44	3.27	0.17	4.54	27.04	1.04	1.09	1.07
910	3.46	3.27	0.19	4.50	26.26	1.06	1.10	1.06
920	3.48	3.28	0.20	4.44	25.36	1.09	1.10	1.05
930	3.49	3.29	0.20	4.40	24.40	1.12	1.11	1.04
940	3.51	3.30	0.21	4.29	23.50	1.15	1.12	1.03
950	3.53	3.31	0.22	4.19	22.60	1.18	1.13	1.03
960	3.56	3.32	0.23	4.08	21.74	1.22	1.14	1.03
970	3.59	3.34	0.24	4.00	20.92	1.25	1.15	1.03
980	3.62	3.37	0.25	3.94	20.12	1.29	1.17	1.04
990	3.65	3.39	0.26	3.81	19.37	1.33	1.18	1.05
1000	3.68	3.41	0.27	3.65	18.68	1.38	1.20	1.06
1025	3.80	3.50	0.30	3.27	17.06	1.50	1.23	1.09
1050	3.93	3.61	0.32	2.88	15.56	1.64	1.28	1.13
1075	4.10	3.76	0.34	2.35	14.20	1.82	1.33	1.17
1100	4.31	3.95	0.36	1.81	12.97	2.02	1.38	1.21
1125	4.55	4.18	0.37	1.10	11.87	2.27	1.44	1.26
1150	4.84	4.46	0.39	0.29	10.85	2.56	1.50	1.30
1175	5.19	4.79	0.40	0.63	9.94	2.91	1.56	1.36
1200	5.60	5.18	0.41	1.70	9.11	3.33	1.63	1.40
1225	6.06	5.64	0.42	2.99	8.38	3.83	1.69	1.45
1250	6.58	6.15	0.42	4.47	7.73	4.42	1.76	1.50
1275	7.18	6.73	0.45	6.31	7.14	5.11	1.82	1.54
1300	7.85	7.37	0.48	8.21	6.64	5.89	1.87	1.58

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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