

2 Way-0° Power Splitter/Combiner

LRPS-2-11J+

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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
10	3.54	3.54	0.00	0.03	18.03	1.99	1.54	1.53
20	3.55	3.55	0.00	0.08	18.11	1.98	1.54	1.53
30	3.55	3.55	0.00	0.12	18.10	1.98	1.54	1.54
40	3.56	3.56	0.00	0.15	18.10	1.98	1.54	1.54
50	3.57	3.57	0.00	0.18	18.12	1.97	1.54	1.54
100	3.59	3.59	0.00	0.36	18.25	1.96	1.55	1.55
150	3.61	3.60	0.01	0.56	18.38	1.95	1.56	1.56
200	3.61	3.61	0.00	0.75	18.50	1.94	1.57	1.57
250	3.63	3.62	0.01	0.94	18.65	1.93	1.57	1.57
300	3.64	3.62	0.02	1.11	18.84	1.92	1.58	1.58
350	3.65	3.63	0.02	1.28	19.03	1.92	1.58	1.58
400	3.66	3.63	0.03	1.43	19.22	1.91	1.59	1.59
450	3.67	3.63	0.04	1.56	19.44	1.90	1.59	1.59
500	3.68	3.63	0.05	1.71	19.70	1.90	1.60	1.60
550	3.69	3.64	0.05	1.85	19.98	1.89	1.60	1.60
600	3.70	3.64	0.06	2.00	20.28	1.88	1.61	1.60
650	3.71	3.63	0.08	2.08	20.63	1.87	1.62	1.61
700	3.72	3.63	0.09	2.17	20.99	1.87	1.63	1.61
750	3.73	3.63	0.10	2.27	21.46	1.86	1.63	1.62
800	3.74	3.63	0.11	2.33	21.93	1.85	1.64	1.62
850	3.75	3.62	0.13	2.46	22.48	1.83	1.65	1.63
900	3.76	3.61	0.15	2.45	23.06	1.82	1.66	1.63
950	3.77	3.60	0.17	2.42	23.74	1.81	1.66	1.64
1000	3.79	3.60	0.19	2.48	24.51	1.80	1.67	1.64
1050	3.79	3.59	0.20	2.46	25.38	1.78	1.68	1.65
1100	3.80	3.58	0.22	2.44	26.35	1.76	1.69	1.65
1150	3.82	3.57	0.25	2.39	27.48	1.75	1.69	1.65
1200	3.83	3.55	0.28	2.33	28.75	1.73	1.70	1.66
1250	3.83	3.55	0.28	2.27	30.38	1.71	1.71	1.66
1300	3.84	3.53	0.31	2.13	32.15	1.69	1.71	1.65
1350	3.85	3.53	0.32	2.05	34.11	1.67	1.71	1.65
1400	3.86	3.52	0.34	1.92	35.37	1.65	1.72	1.65
1450	3.87	3.52	0.35	1.82	35.00	1.62	1.72	1.65
1500	3.87	3.50	0.37	1.55	33.60	1.60	1.72	1.64
1550	3.88	3.50	0.38	1.35	31.55	1.58	1.72	1.64
1600	3.89	3.49	0.40	1.07	29.57	1.55	1.72	1.63
1650	3.89	3.48	0.41	0.85	27.62	1.53	1.72	1.63
1700	3.90	3.47	0.43	0.52	26.09	1.50	1.72	1.62
1750	3.93	3.47	0.46	0.25	24.71	1.48	1.70	1.61
1800	3.92	3.48	0.44	0.06	23.28	1.46	1.70	1.60
1850	3.93	3.48	0.45	0.40	22.13	1.44	1.70	1.59
1900	3.95	3.47	0.48	0.89	21.18	1.42	1.69	1.58
1950	3.95	3.49	0.46	1.20	20.15	1.40	1.68	1.56
2000	3.96	3.51	0.45	1.48	19.20	1.39	1.66	1.55
2050	3.97	3.53	0.44	2.11	18.40	1.39	1.66	1.53
2100	3.97	3.55	0.42	2.54	17.59	1.39	1.64	1.52
2150	4.00	3.58	0.42	3.02	16.84	1.39	1.62	1.50
2200	4.00	3.62	0.38	3.77	16.17	1.41	1.62	1.48
2250	4.04	3.66	0.38	4.52	15.49	1.43	1.60	1.46
2300	4.06	3.70	0.36	4.86	14.84	1.46	1.58	1.44
2400	4.17	3.82	0.35	6.10	13.70	1.53	1.54	1.40
2500	4.22	3.96	0.26	7.04	12.64	1.63	1.51	1.36
2600	4.29	4.16	0.13	8.71	11.63	1.77	1.51	1.32

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

LRPS-2-11J+

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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
10	3.53	3.53	0.00	0.04	17.18	1.99	1.55	1.54
20	3.54	3.54	0.00	0.11	18.68	1.99	1.58	1.58
30	3.54	3.54	0.00	0.15	19.13	1.99	1.59	1.60
40	3.55	3.55	0.00	0.20	19.38	1.99	1.60	1.61
50	3.56	3.56	0.00	0.25	19.53	1.98	1.61	1.62
100	3.57	3.56	0.01	0.50	19.84	1.96	1.62	1.62
150	3.58	3.57	0.01	0.79	19.93	1.95	1.63	1.62
200	3.59	3.58	0.01	1.06	19.93	1.95	1.63	1.64
250	3.60	3.57	0.03	1.33	19.99	1.94	1.63	1.63
300	3.60	3.57	0.03	1.61	20.16	1.93	1.63	1.64
350	3.61	3.57	0.04	1.87	20.37	1.92	1.64	1.64
400	3.61	3.57	0.04	2.12	20.52	1.92	1.64	1.64
450	3.63	3.57	0.06	2.37	20.70	1.91	1.65	1.65
500	3.64	3.57	0.07	2.60	20.92	1.91	1.65	1.65
550	3.64	3.56	0.08	2.85	21.23	1.90	1.65	1.65
600	3.65	3.56	0.09	3.09	21.52	1.89	1.66	1.65
650	3.66	3.55	0.11	3.29	21.87	1.88	1.66	1.66
700	3.67	3.54	0.13	3.45	22.24	1.87	1.67	1.66
750	3.67	3.53	0.14	3.67	22.74	1.87	1.68	1.67
800	3.68	3.53	0.15	3.83	23.27	1.86	1.68	1.67
850	3.69	3.51	0.18	4.05	23.84	1.84	1.69	1.67
900	3.70	3.51	0.19	4.18	24.49	1.83	1.70	1.68
950	3.71	3.49	0.22	4.33	25.23	1.82	1.70	1.68
1000	3.72	3.49	0.23	4.41	26.18	1.80	1.71	1.69
1050	3.73	3.47	0.26	4.58	27.11	1.79	1.72	1.69
1100	3.73	3.45	0.28	4.59	28.35	1.78	1.72	1.69
1150	3.75	3.45	0.30	4.79	29.71	1.76	1.73	1.70
1200	3.74	3.44	0.30	4.78	31.66	1.74	1.74	1.70
1250	3.76	3.42	0.34	4.81	33.49	1.73	1.74	1.70
1300	3.76	3.41	0.35	4.78	35.92	1.71	1.75	1.70
1350	3.77	3.40	0.37	4.86	37.51	1.69	1.75	1.69
1400	3.77	3.39	0.38	4.81	36.84	1.67	1.75	1.69
1450	3.78	3.37	0.41	4.71	34.51	1.65	1.76	1.68
1500	3.79	3.36	0.43	4.66	31.99	1.62	1.76	1.68
1550	3.79	3.35	0.44	4.58	29.69	1.60	1.76	1.67
1600	3.79	3.34	0.46	4.41	27.79	1.57	1.76	1.67
1650	3.80	3.32	0.48	4.26	26.21	1.55	1.76	1.66
1700	3.80	3.32	0.48	4.13	24.63	1.53	1.75	1.66
1750	3.82	3.30	0.52	3.81	23.51	1.50	1.74	1.65
1800	3.80	3.31	0.49	3.78	22.10	1.47	1.74	1.64
1850	3.83	3.30	0.52	3.80	21.06	1.45	1.71	1.63
1900	3.82	3.30	0.52	3.28	20.20	1.43	1.72	1.62
1950	3.83	3.32	0.51	3.18	19.28	1.41	1.69	1.61
2000	3.85	3.33	0.52	3.07	18.44	1.39	1.68	1.59
2050	3.81	3.34	0.47	2.38	17.60	1.39	1.69	1.57
2100	3.85	3.36	0.49	1.85	16.91	1.39	1.68	1.55
2150	3.84	3.39	0.45	1.66	16.19	1.39	1.65	1.54
2200	3.87	3.42	0.45	0.96	15.56	1.40	1.64	1.52
2250	3.91	3.45	0.46	0.64	14.87	1.42	1.61	1.49
2300	3.91	3.50	0.42	0.30	14.21	1.44	1.60	1.47
2400	3.98	3.60	0.38	1.12	13.04	1.50	1.57	1.42
2500	4.01	3.73	0.27	2.07	12.08	1.59	1.54	1.38
2600	4.12	3.89	0.23	3.28	11.23	1.71	1.52	1.34

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
10	3.54	3.54	0.00	0.03	15.75	1.98	1.42	1.42
20	3.55	3.55	0.00	0.10	15.80	1.98	1.42	1.42
30	3.55	3.55	0.00	0.13	15.79	1.97	1.42	1.42
40	3.56	3.57	0.01	0.18	15.80	1.97	1.43	1.42
50	3.57	3.57	0.00	0.21	15.81	1.97	1.43	1.42
100	3.60	3.60	0.00	0.41	15.93	1.96	1.44	1.44
150	3.62	3.62	0.00	0.57	16.09	1.95	1.44	1.45
200	3.63	3.63	0.00	0.75	16.28	1.93	1.45	1.45
250	3.64	3.64	0.00	0.92	16.49	1.93	1.46	1.47
300	3.65	3.65	0.00	1.08	16.69	1.92	1.47	1.47
350	3.66	3.67	0.01	1.24	16.89	1.91	1.48	1.48
400	3.68	3.67	0.01	1.38	17.09	1.91	1.49	1.49
450	3.69	3.68	0.01	1.51	17.33	1.90	1.50	1.50
500	3.70	3.69	0.01	1.63	17.59	1.89	1.50	1.50
550	3.72	3.69	0.03	1.75	17.91	1.89	1.51	1.51
600	3.72	3.70	0.02	1.86	18.23	1.88	1.52	1.52
650	3.73	3.70	0.03	1.93	18.60	1.87	1.53	1.52
700	3.75	3.70	0.05	1.97	18.97	1.86	1.54	1.53
750	3.76	3.70	0.06	2.08	19.41	1.85	1.55	1.54
800	3.77	3.71	0.06	2.10	19.85	1.84	1.56	1.55
850	3.78	3.70	0.08	2.19	20.34	1.82	1.57	1.55
900	3.79	3.70	0.09	2.18	20.86	1.81	1.58	1.56
950	3.80	3.70	0.10	2.20	21.44	1.79	1.59	1.57
1000	3.81	3.70	0.11	2.17	22.09	1.78	1.60	1.57
1050	3.83	3.69	0.14	2.17	22.75	1.76	1.60	1.58
1100	3.84	3.69	0.15	2.06	23.54	1.74	1.61	1.58
1150	3.85	3.68	0.16	2.10	24.45	1.72	1.62	1.59
1200	3.85	3.69	0.16	2.02	25.41	1.70	1.62	1.59
1250	3.86	3.67	0.19	1.90	26.45	1.68	1.63	1.59
1300	3.87	3.67	0.20	1.75	27.72	1.66	1.63	1.59
1350	3.88	3.67	0.21	1.73	29.13	1.63	1.64	1.58
1400	3.89	3.67	0.22	1.58	30.79	1.61	1.64	1.58
1450	3.90	3.65	0.25	1.37	32.50	1.58	1.64	1.57
1500	3.92	3.64	0.28	1.20	34.21	1.56	1.64	1.57
1550	3.92	3.65	0.27	1.04	35.03	1.53	1.64	1.56
1600	3.93	3.65	0.29	0.76	34.52	1.51	1.64	1.56
1650	3.94	3.64	0.30	0.50	32.79	1.48	1.64	1.55
1700	3.94	3.65	0.29	0.30	30.62	1.45	1.63	1.54
1750	3.97	3.64	0.33	0.09	29.10	1.43	1.62	1.54
1800	3.96	3.66	0.30	0.22	27.02	1.41	1.62	1.53
1850	3.97	3.67	0.30	0.32	25.30	1.38	1.61	1.52
1900	3.99	3.66	0.33	0.89	24.34	1.37	1.61	1.51
1950	4.00	3.69	0.31	1.19	23.04	1.35	1.59	1.50
2000	4.04	3.70	0.34	1.21	22.02	1.33	1.56	1.49
2050	4.00	3.73	0.27	1.87	20.92	1.33	1.57	1.47
2100	4.03	3.76	0.27	2.38	20.04	1.32	1.56	1.46
2150	4.06	3.78	0.27	2.77	19.24	1.33	1.54	1.44
2200	4.06	3.81	0.25	3.37	18.41	1.34	1.54	1.43
2250	4.09	3.85	0.24	3.57	17.63	1.35	1.50	1.41
2300	4.12	3.89	0.22	4.18	16.96	1.37	1.50	1.40
2400	4.15	4.02	0.13	5.58	15.60	1.44	1.49	1.37
2500	4.20	4.14	0.06	6.53	14.45	1.51	1.47	1.34
2600	4.26	4.30	0.04	7.68	13.42	1.60	1.45	1.31

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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