

2 Way-0° Power Splitter/Combiner

LRPS-2-25J+

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
500	3.70	3.54	0.16	2.22	9.36	1.89	1.27	1.21
600	3.69	3.55	0.14	2.37	10.21	1.86	1.22	1.15
700	3.67	3.55	0.12	2.52	10.95	1.82	1.19	1.11
800	3.65	3.56	0.09	2.59	11.62	1.79	1.17	1.08
900	3.62	3.57	0.05	2.69	12.28	1.75	1.16	1.08
1000	3.58	3.57	0.01	2.73	12.94	1.71	1.16	1.09
1050	3.56	3.58	0.01	2.73	13.30	1.68	1.16	1.10
1100	3.54	3.57	0.03	2.76	13.66	1.66	1.15	1.11
1200	3.50	3.57	0.07	2.61	14.48	1.60	1.15	1.13
1250	3.48	3.58	0.10	2.57	14.91	1.58	1.15	1.14
1300	3.46	3.57	0.11	2.48	15.35	1.54	1.14	1.15
1350	3.44	3.58	0.14	2.44	15.83	1.51	1.14	1.16
1400	3.42	3.58	0.17	2.34	16.33	1.48	1.14	1.17
1450	3.40	3.59	0.19	2.26	16.87	1.44	1.13	1.17
1500	3.39	3.59	0.21	2.16	17.45	1.41	1.13	1.18
1525	3.38	3.59	0.21	2.08	17.78	1.39	1.13	1.18
1550	3.37	3.59	0.23	2.02	18.11	1.37	1.12	1.19
1575	3.37	3.60	0.23	1.95	18.47	1.35	1.12	1.19
1600	3.36	3.59	0.24	1.85	18.86	1.33	1.12	1.19
1650	3.34	3.59	0.25	1.62	19.67	1.30	1.11	1.20
1675	3.34	3.60	0.26	1.49	20.09	1.28	1.10	1.20
1700	3.33	3.61	0.28	1.41	20.54	1.26	1.10	1.20
1725	3.33	3.60	0.28	1.29	21.08	1.24	1.09	1.20
1750	3.32	3.61	0.29	1.21	21.58	1.22	1.09	1.20
1775	3.32	3.61	0.29	1.10	22.13	1.20	1.08	1.20
1800	3.31	3.62	0.31	0.95	22.74	1.19	1.08	1.20
1825	3.31	3.62	0.31	0.86	23.41	1.17	1.07	1.20
1850	3.31	3.63	0.31	0.80	24.15	1.15	1.07	1.20
1875	3.32	3.63	0.31	0.64	24.97	1.14	1.06	1.21
1900	3.32	3.64	0.32	0.44	25.73	1.12	1.06	1.21
1925	3.32	3.64	0.32	0.35	26.60	1.11	1.05	1.20
1950	3.32	3.64	0.32	0.16	27.53	1.09	1.04	1.20
1975	3.32	3.65	0.33	0.01	28.40	1.09	1.04	1.21
2000	3.32	3.66	0.34	0.14	29.13	1.08	1.03	1.21
2050	3.34	3.68	0.33	0.47	30.26	1.09	1.02	1.21
2075	3.35	3.69	0.34	0.71	30.34	1.10	1.02	1.21
2100	3.36	3.70	0.34	0.85	30.11	1.11	1.01	1.21
2150	3.39	3.73	0.35	1.03	29.01	1.14	1.02	1.21
2200	3.41	3.74	0.33	1.38	27.28	1.19	1.04	1.22
2250	3.45	3.76	0.31	1.90	25.43	1.24	1.05	1.23
2300	3.49	3.81	0.32	2.35	23.85	1.29	1.07	1.24
2350	3.54	3.84	0.30	2.77	22.42	1.34	1.09	1.24
2400	3.60	3.89	0.29	3.21	21.14	1.40	1.11	1.26
2500	3.72	3.99	0.27	3.87	19.02	1.52	1.15	1.28
2600	3.87	4.07	0.20	4.78	17.28	1.67	1.19	1.31
2700	4.06	4.19	0.14	5.67	15.85	1.82	1.23	1.35
2800	4.26	4.36	0.09	6.53	14.64	1.98	1.27	1.38
2900	4.49	4.49	0.00	7.28	13.66	2.16	1.31	1.42
3000	4.71	4.64	0.06	7.84	12.79	2.33	1.35	1.45
3100	4.96	4.76	0.20	8.48	12.04	2.54	1.38	1.48
3200	5.21	4.88	0.32	8.93	11.38	2.75	1.40	1.50
3300	5.49	5.03	0.46	9.69	10.81	2.95	1.41	1.53
3400	5.74	5.18	0.56	10.19	10.28	3.14	1.43	1.55
3500	5.99	5.27	0.73	9.98	9.85	3.34	1.44	1.55

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
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100624
Page 1 of 3



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2 Way-0° Power Splitter/Combiner

LRPS-2-25J+

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
500	3.65	3.47	0.18	0.75	9.32	1.89	1.30	1.24
600	3.63	3.48	0.15	0.66	10.08	1.88	1.22	1.16
700	3.61	3.47	0.13	0.56	10.82	1.84	1.19	1.11
800	3.58	3.48	0.09	0.28	11.49	1.81	1.17	1.09
900	3.53	3.48	0.05	0.13	12.13	1.77	1.16	1.08
1000	3.49	3.47	0.02	0.09	12.78	1.73	1.16	1.09
1050	3.48	3.48	0.00	0.25	13.04	1.73	1.16	1.10
1100	3.45	3.48	0.02	0.43	13.37	1.70	1.15	1.11
1200	3.41	3.47	0.06	0.83	14.17	1.65	1.15	1.14
1250	3.38	3.47	0.09	1.00	14.57	1.61	1.15	1.15
1300	3.36	3.46	0.10	1.19	15.13	1.57	1.14	1.16
1350	3.33	3.45	0.12	1.44	15.58	1.54	1.14	1.17
1400	3.29	3.46	0.16	1.57	16.12	1.49	1.14	1.18
1450	3.27	3.45	0.18	1.86	16.68	1.46	1.13	1.19
1500	3.26	3.46	0.20	2.04	17.29	1.42	1.13	1.20
1525	3.26	3.44	0.18	2.21	17.69	1.40	1.13	1.20
1550	3.23	3.44	0.21	2.45	17.96	1.39	1.12	1.21
1575	3.23	3.45	0.22	2.58	18.33	1.37	1.12	1.21
1600	3.23	3.44	0.22	2.70	18.77	1.35	1.12	1.21
1650	3.20	3.45	0.24	3.00	19.59	1.32	1.12	1.22
1675	3.20	3.44	0.24	3.20	20.18	1.30	1.11	1.22
1700	3.19	3.44	0.24	3.41	20.73	1.27	1.10	1.23
1725	3.18	3.43	0.26	3.69	21.24	1.25	1.10	1.22
1750	3.17	3.44	0.27	3.83	21.70	1.23	1.09	1.22
1775	3.16	3.43	0.27	4.01	22.35	1.21	1.08	1.21
1800	3.16	3.44	0.28	4.16	23.12	1.19	1.08	1.22
1825	3.16	3.44	0.29	4.36	23.79	1.17	1.07	1.21
1850	3.14	3.46	0.31	4.60	24.31	1.15	1.07	1.21
1875	3.16	3.45	0.29	4.58	25.31	1.13	1.07	1.20
1900	3.16	3.44	0.28	4.92	26.10	1.11	1.06	1.19
1925	3.15	3.44	0.29	5.19	26.79	1.09	1.05	1.20
1950	3.14	3.45	0.31	5.39	27.37	1.07	1.05	1.20
1975	3.16	3.47	0.31	5.57	27.93	1.06	1.04	1.20
2000	3.15	3.47	0.32	5.82	28.24	1.05	1.04	1.19
2050	3.17	3.47	0.31	6.33	28.36	1.06	1.03	1.19
2075	3.17	3.48	0.32	6.65	28.38	1.07	1.03	1.19
2100	3.18	3.50	0.32	6.87	28.31	1.08	1.03	1.20
2150	3.20	3.50	0.30	7.22	27.19	1.11	1.04	1.18
2200	3.22	3.51	0.29	7.72	26.22	1.15	1.06	1.18
2250	3.25	3.53	0.28	8.28	24.88	1.20	1.07	1.19
2300	3.28	3.56	0.27	9.08	23.87	1.25	1.08	1.21
2350	3.33	3.61	0.28	9.58	22.60	1.31	1.09	1.22
2400	3.37	3.67	0.31	10.10	21.70	1.34	1.11	1.23
2500	3.46	3.72	0.25	11.09	19.88	1.47	1.15	1.27
2600	3.61	3.81	0.19	12.16	18.05	1.62	1.19	1.31
2700	3.79	3.89	0.10	13.39	16.51	1.79	1.24	1.36
2800	4.01	4.16	0.15	14.90	15.18	1.95	1.29	1.44
2900	4.22	4.17	0.05	15.98	13.95	2.21	1.32	1.47
3000	4.45	4.44	0.01	16.67	12.98	2.45	1.38	1.52
3100	4.73	4.52	0.21	16.98	11.93	2.73	1.41	1.54
3200	5.02	4.68	0.34	18.42	11.11	2.99	1.42	1.57
3300	5.29	4.85	0.43	18.63	10.38	3.23	1.44	1.57
3400	5.51	5.00	0.51	19.52	9.89	3.43	1.43	1.59
3500	5.82	5.05	0.77	20.33	9.32	3.68	1.42	1.59

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
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Page 2 of 3



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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
500	3.74	3.59	0.15	3.71	9.40	1.88	1.25	1.19
600	3.73	3.61	0.13	4.17	10.30	1.86	1.20	1.13
700	3.72	3.62	0.10	4.59	11.08	1.82	1.18	1.10
800	3.70	3.63	0.07	4.98	11.80	1.78	1.17	1.08
900	3.66	3.63	0.02	5.36	12.50	1.73	1.16	1.08
1000	3.62	3.64	0.01	5.67	13.23	1.68	1.16	1.09
1050	3.61	3.64	0.04	5.85	13.60	1.65	1.16	1.10
1100	3.59	3.64	0.06	5.99	14.00	1.62	1.16	1.11
1200	3.55	3.64	0.09	6.15	14.81	1.57	1.15	1.12
1250	3.53	3.65	0.12	6.28	15.22	1.54	1.15	1.13
1300	3.52	3.66	0.14	6.34	15.65	1.51	1.14	1.13
1350	3.50	3.66	0.16	6.41	16.08	1.48	1.14	1.14
1400	3.48	3.67	0.19	6.52	16.53	1.45	1.14	1.14
1450	3.47	3.68	0.21	6.51	17.01	1.42	1.13	1.15
1500	3.46	3.70	0.24	6.66	17.53	1.39	1.13	1.15
1525	3.46	3.69	0.23	6.61	17.89	1.37	1.13	1.16
1550	3.45	3.69	0.24	6.52	18.17	1.35	1.12	1.16
1575	3.44	3.70	0.26	6.49	18.48	1.34	1.12	1.17
1600	3.44	3.70	0.26	6.56	18.88	1.32	1.11	1.17
1650	3.42	3.71	0.29	6.44	19.54	1.28	1.10	1.18
1675	3.42	3.71	0.29	6.48	20.03	1.26	1.10	1.18
1700	3.42	3.72	0.30	6.41	20.40	1.25	1.10	1.18
1725	3.41	3.72	0.31	6.35	20.85	1.23	1.09	1.18
1750	3.41	3.73	0.32	6.29	21.31	1.21	1.09	1.19
1775	3.41	3.72	0.31	6.26	21.91	1.20	1.08	1.19
1800	3.40	3.73	0.33	6.16	22.42	1.18	1.08	1.20
1825	3.41	3.75	0.34	6.17	23.00	1.17	1.07	1.20
1850	3.40	3.76	0.36	6.12	23.57	1.16	1.07	1.20
1875	3.41	3.76	0.35	6.18	24.51	1.14	1.06	1.20
1900	3.42	3.76	0.34	6.07	25.33	1.13	1.06	1.20
1925	3.42	3.76	0.34	5.94	26.10	1.12	1.05	1.21
1950	3.42	3.79	0.37	5.83	26.95	1.11	1.04	1.21
1975	3.43	3.80	0.37	5.82	28.16	1.11	1.04	1.22
2000	3.44	3.81	0.37	5.75	29.25	1.11	1.03	1.22
2050	3.45	3.81	0.36	5.54	31.53	1.12	1.02	1.23
2075	3.45	3.84	0.38	5.34	32.31	1.13	1.01	1.23
2100	3.48	3.84	0.37	5.30	32.88	1.14	1.01	1.24
2150	3.50	3.88	0.38	5.21	31.36	1.18	1.01	1.25
2200	3.54	3.91	0.37	5.03	28.77	1.22	1.03	1.25
2250	3.58	3.94	0.36	4.68	26.14	1.27	1.05	1.26
2300	3.62	3.99	0.37	4.30	24.14	1.33	1.07	1.28
2350	3.68	4.03	0.34	4.19	22.43	1.38	1.08	1.28
2400	3.75	4.07	0.33	3.80	20.91	1.45	1.10	1.29
2500	3.89	4.18	0.30	3.33	18.56	1.58	1.14	1.32
2600	4.06	4.32	0.26	2.98	16.73	1.73	1.18	1.34
2700	4.28	4.41	0.13	2.39	15.20	1.90	1.23	1.36
2800	4.52	4.68	0.16	1.26	14.02	2.03	1.27	1.40
2900	4.73	4.69	0.04	1.20	13.07	2.22	1.31	1.41
3000	4.95	4.89	0.06	0.90	12.35	2.38	1.35	1.44
3100	5.19	4.96	0.23	0.98	11.78	2.53	1.38	1.45
3200	5.47	5.07	0.40	0.16	11.19	2.71	1.40	1.48
3300	5.68	5.19	0.49	0.41	10.79	2.84	1.43	1.49
3400	5.89	5.34	0.55	0.08	10.49	3.00	1.45	1.51
3500	6.17	5.37	0.79	0.53	10.07	3.16	1.45	1.52

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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Page 3 of 3



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