

4 Way-0° Power Splitter/Combiner

LRPS-ED8835A/2

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)				
	S-1	S-2	S-3	S-4		1-2	1-3	3-4			S	1	2	3	4
0.3	6.97	6.61	6.92	6.66	0.36	55.28	52.76	63.73	3.63	0.3	1.40	1.61	1.43	1.61	1.44
0.4	6.83	6.54	6.85	6.57	0.31	56.84	52.86	65.23	2.93	0.4	1.32	1.49	1.35	1.49	1.35
0.5	6.78	6.51	6.75	6.51	0.27	57.26	54.68	66.12	2.15	0.5	1.27	1.42	1.31	1.42	1.31
0.6	6.70	6.46	6.73	6.52	0.27	58.22	54.32	67.00	1.79	0.6	1.24	1.37	1.28	1.37	1.28
0.7	6.69	6.45	6.66	6.46	0.24	57.63	55.23	66.10	1.78	0.7	1.22	1.34	1.25	1.34	1.25
0.8	6.64	6.44	6.65	6.42	0.22	57.31	54.17	66.22	1.91	0.8	1.20	1.31	1.24	1.31	1.24
1.0	6.60	6.39	6.59	6.43	0.21	59.38	54.26	66.10	1.60	1.0	1.17	1.27	1.21	1.27	1.21
1.5	6.51	6.33	6.52	6.35	0.19	57.02	52.81	65.77	1.15	1.5	1.14	1.22	1.17	1.21	1.17
2.0	6.46	6.30	6.44	6.31	0.16	55.51	52.64	64.20	0.73	2.0	1.12	1.18	1.14	1.18	1.14
2.5	6.45	6.29	6.42	6.30	0.15	54.61	51.08	63.63	0.69	2.5	1.10	1.16	1.13	1.16	1.12
3.0	6.39	6.25	6.40	6.27	0.15	53.98	50.40	62.14	0.83	3.0	1.10	1.15	1.11	1.15	1.11
3.5	6.40	6.29	6.40	6.24	0.16	52.88	49.06	60.81	0.66	3.5	1.09	1.13	1.11	1.13	1.11
4.0	6.40	6.27	6.39	6.27	0.13	52.06	48.75	60.60	0.54	4.0	1.09	1.13	1.10	1.12	1.10
4.5	6.39	6.25	6.38	6.26	0.14	51.32	47.45	59.62	0.39	4.5	1.08	1.12	1.09	1.12	1.09
5.0	6.37	6.27	6.39	6.23	0.15	50.72	46.74	59.25	0.56	5.0	1.08	1.11	1.09	1.11	1.09
6.0	6.35	6.26	6.39	6.26	0.13	49.41	45.98	58.41	0.28	6.0	1.08	1.11	1.09	1.11	1.08
7.0	6.35	6.25	6.38	6.27	0.13	48.36	44.72	57.05	0.36	7.0	1.07	1.10	1.08	1.10	1.08
8.0	6.36	6.26	6.36	6.28	0.11	47.61	44.25	56.13	0.15	8.0	1.07	1.10	1.08	1.10	1.08
10.0	6.37	6.25	6.34	6.24	0.13	46.13	42.49	54.64	0.23	10.0	1.07	1.09	1.08	1.09	1.07
15.0	6.36	6.25	6.35	6.27	0.11	43.24	39.68	51.67	0.30	15.0	1.08	1.09	1.07	1.09	1.07
20.0	6.40	6.29	6.37	6.27	0.13	40.62	37.60	50.13	0.18	20.0	1.09	1.08	1.07	1.08	1.07
25.0	6.40	6.26	6.37	6.24	0.16	39.03	35.75	48.00	0.18	25.0	1.10	1.08	1.07	1.08	1.07
30.0	6.41	6.30	6.38	6.31	0.12	37.78	34.52	46.71	0.33	30.0	1.12	1.08	1.07	1.09	1.07
35.0	6.41	6.31	6.42	6.33	0.11	36.45	33.14	45.64	0.63	35.0	1.13	1.08	1.07	1.09	1.07
40.0	6.42	6.31	6.44	6.36	0.13	35.60	32.05	44.72	0.53	40.0	1.15	1.09	1.07	1.09	1.07
50.0	6.45	6.34	6.44	6.33	0.12	33.93	30.41	43.10	0.44	50.0	1.19	1.09	1.08	1.09	1.08
60.0	6.50	6.39	6.46	6.40	0.11	32.49	29.11	41.75	0.66	60.0	1.22	1.09	1.08	1.10	1.08
70.0	6.50	6.42	6.51	6.39	0.11	31.39	28.09	40.71	0.87	70.0	1.26	1.10	1.09	1.10	1.09
80.0	6.56	6.44	6.56	6.43	0.13	30.41	27.10	39.75	0.60	80.0	1.30	1.10	1.09	1.11	1.09
90.0	6.59	6.47	6.60	6.50	0.13	29.50	26.09	38.97	0.99	90.0	1.34	1.11	1.10	1.11	1.10
100.0	6.64	6.53	6.63	6.53	0.11	28.69	25.40	38.13	1.23	100.0	1.39	1.12	1.10	1.12	1.11
120.0	6.80	6.62	6.77	6.62	0.18	27.24	23.80	36.85	1.52	120.0	1.47	1.14	1.12	1.14	1.13
140.0	6.89	6.72	6.84	6.69	0.20	26.06	22.67	35.70	1.53	140.0	1.57	1.16	1.14	1.15	1.15
160.0	6.98	6.80	6.97	6.79	0.20	25.08	21.60	34.72	1.84	160.0	1.66	1.18	1.16	1.17	1.16
180.0	7.12	6.90	7.12	6.92	0.22	24.16	20.69	33.94	1.66	180.0	1.75	1.21	1.17	1.18	1.18
200.0	7.20	7.07	7.15	6.94	0.26	23.35	19.91	33.26	2.43	200.0	1.84	1.22	1.19	1.20	1.21
220.0	7.47	7.18	7.40	7.23	0.28	22.73	19.26	32.71	2.52	220.0	1.95	1.25	1.21	1.21	1.22
240.0	7.56	7.32	7.51	7.25	0.32	22.11	18.66	32.16	2.49	240.0	2.08	1.26	1.22	1.23	1.24
260.0	7.75	7.49	7.66	7.45	0.31	21.56	18.06	31.73	2.95	260.0	2.17	1.28	1.24	1.25	1.27
280.0	7.98	7.61	7.89	7.61	0.38	21.06	17.55	31.21	2.96	280.0	2.31	1.30	1.25	1.27	1.28
300.0	8.03	7.80	7.94	7.66	0.36	20.57	17.12	30.87	2.86	300.0	2.42	1.32	1.27	1.29	1.31

¹ Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

LRPS-ED8835A/2

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Page 1 of 1



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