

# 2 Way-0° Power Splitter/Combiner

# JPS-2-1+

## Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
1	3.41	3.41	0.00	0.00	24.25	1.10	1.41	1.41
10	3.19	3.19	0.00	0.06	31.77	1.10	1.23	1.23
20	3.18	3.17	0.01	0.04	31.89	1.11	1.22	1.22
30	3.18	3.18	0.00	0.06	31.51	1.11	1.22	1.22
40	3.19	3.19	0.00	0.08	31.02	1.11	1.22	1.22
50	3.20	3.19	0.01	0.08	30.69	1.11	1.21	1.22
60	3.21	3.20	0.01	0.12	30.37	1.12	1.21	1.22
70	3.22	3.21	0.01	0.17	30.12	1.12	1.21	1.21
80	3.23	3.22	0.01	0.15	29.90	1.12	1.21	1.21
90	3.24	3.22	0.02	0.18	29.68	1.12	1.21	1.21
100	3.24	3.23	0.01	0.20	29.38	1.12	1.21	1.21
125	3.26	3.24	0.02	0.29	28.69	1.13	1.20	1.21
150	3.28	3.26	0.02	0.30	28.20	1.13	1.20	1.21
175	3.29	3.27	0.02	0.35	27.73	1.14	1.20	1.20
200	3.31	3.29	0.02	0.38	27.27	1.15	1.20	1.20
225	3.33	3.30	0.03	0.41	26.84	1.15	1.19	1.20
250	3.34	3.31	0.03	0.45	26.46	1.16	1.19	1.20
275	3.36	3.32	0.04	0.46	26.08	1.17	1.19	1.20
300	3.37	3.34	0.03	0.48	25.74	1.18	1.19	1.19
325	3.40	3.36	0.04	0.49	25.39	1.19	1.19	1.19
350	3.41	3.37	0.04	0.53	25.08	1.19	1.18	1.19
375	3.42	3.38	0.04	0.52	24.77	1.20	1.18	1.19
400	3.44	3.39	0.05	0.52	24.53	1.21	1.18	1.19
425	3.46	3.40	0.06	0.52	24.28	1.22	1.18	1.19
450	3.49	3.42	0.07	0.52	24.06	1.23	1.19	1.19
475	3.51	3.44	0.07	0.48	23.84	1.23	1.19	1.19
500	3.53	3.45	0.08	0.45	23.63	1.24	1.19	1.19
525	3.56	3.47	0.09	0.41	23.46	1.26	1.19	1.19
550	3.59	3.49	0.10	0.35	23.29	1.27	1.20	1.20
575	3.62	3.52	0.10	0.30	23.08	1.29	1.21	1.20
600	3.67	3.55	0.12	0.24	22.81	1.30	1.22	1.21
625	3.71	3.58	0.13	0.18	22.49	1.33	1.23	1.22
650	3.76	3.62	0.14	0.09	22.09	1.36	1.24	1.22
675	3.81	3.66	0.15	0.00	21.61	1.39	1.26	1.24
700	3.87	3.71	0.16	0.14	21.01	1.43	1.28	1.25
725	3.96	3.78	0.18	0.28	20.33	1.49	1.31	1.27
750	4.04	3.85	0.19	0.45	19.55	1.55	1.33	1.29
775	4.15	3.94	0.21	0.59	18.67	1.62	1.37	1.32
800	4.28	4.05	0.23	0.76	17.72	1.70	1.40	1.34
825	4.43	4.18	0.25	0.93	16.76	1.80	1.44	1.38
850	4.59	4.33	0.26	1.21	15.78	1.92	1.49	1.41
875	4.81	4.53	0.28	1.45	14.80	2.06	1.54	1.45
900	5.05	4.76	0.29	1.77	13.84	2.22	1.59	1.50
950	5.69	5.34	0.35	2.50	12.04	2.62	1.72	1.60
975	6.09	5.71	0.38	2.87	11.24	2.86	1.78	1.65
1000	6.52	6.14	0.39	3.28	10.48	3.13	1.85	1.71

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

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# 2 Way-0° Power Splitter/Combiner

# JPS-2-1+

## Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
1	3.23	3.23	0.00	0.01	21.84	1.11	1.56	1.56
10	3.15	3.16	0.01	0.02	29.32	1.10	1.22	1.23
20	3.14	3.15	0.01	0.05	34.72	1.11	1.20	1.20
30	3.14	3.15	0.01	0.07	37.44	1.12	1.19	1.20
40	3.15	3.16	0.01	0.11	38.13	1.12	1.18	1.20
50	3.15	3.16	0.01	0.16	37.25	1.12	1.18	1.19
60	3.17	3.17	0.00	0.16	35.57	1.13	1.18	1.19
70	3.17	3.18	0.01	0.18	33.89	1.13	1.18	1.18
80	3.18	3.18	0.00	0.23	32.59	1.13	1.18	1.18
90	3.18	3.19	0.01	0.24	31.71	1.13	1.18	1.17
100	3.19	3.18	0.01	0.24	31.06	1.13	1.18	1.16
125	3.20	3.19	0.01	0.22	30.36	1.12	1.18	1.16
150	3.21	3.21	0.00	0.29	29.98	1.14	1.17	1.17
175	3.22	3.22	0.00	0.37	28.50	1.16	1.17	1.18
200	3.24	3.24	0.00	0.46	27.30	1.18	1.18	1.19
225	3.25	3.24	0.01	0.53	26.76	1.18	1.18	1.19
250	3.25	3.24	0.01	0.59	26.61	1.18	1.17	1.18
275	3.27	3.26	0.01	0.70	26.09	1.19	1.17	1.19
300	3.28	3.27	0.01	0.81	25.36	1.20	1.17	1.18
325	3.30	3.28	0.02	0.92	24.93	1.21	1.18	1.17
350	3.31	3.28	0.03	0.98	24.81	1.20	1.18	1.16
375	3.32	3.29	0.03	1.05	24.69	1.21	1.17	1.17
400	3.33	3.30	0.03	1.14	24.34	1.22	1.17	1.17
425	3.35	3.31	0.04	1.22	24.08	1.23	1.17	1.18
450	3.36	3.32	0.04	1.35	23.98	1.23	1.17	1.18
475	3.38	3.33	0.05	1.46	23.95	1.24	1.18	1.18
500	3.40	3.34	0.06	1.58	23.80	1.25	1.18	1.19
525	3.42	3.36	0.06	1.74	23.65	1.26	1.19	1.19
550	3.44	3.37	0.07	1.90	23.55	1.27	1.20	1.19
575	3.47	3.39	0.08	2.05	23.31	1.29	1.21	1.20
600	3.50	3.41	0.09	2.24	22.98	1.31	1.21	1.20
625	3.53	3.44	0.09	2.41	22.59	1.33	1.23	1.21
650	3.58	3.47	0.11	2.60	22.23	1.36	1.24	1.22
675	3.63	3.51	0.12	2.80	21.68	1.40	1.26	1.23
700	3.69	3.56	0.13	3.05	21.00	1.45	1.28	1.25
725	3.76	3.62	0.14	3.26	20.23	1.50	1.31	1.27
750	3.84	3.68	0.16	3.52	19.45	1.56	1.33	1.29
775	3.93	3.76	0.17	3.75	18.55	1.63	1.37	1.31
800	4.05	3.87	0.19	4.00	17.58	1.72	1.40	1.34
825	4.19	3.99	0.20	4.24	16.58	1.83	1.44	1.38
850	4.34	4.13	0.21	4.56	15.60	1.95	1.49	1.41
875	4.55	4.31	0.24	4.92	14.64	2.09	1.54	1.45
900	4.77	4.53	0.24	5.30	13.68	2.27	1.60	1.50
950	5.38	5.10	0.28	6.24	11.86	2.71	1.73	1.61
975	5.81	5.47	0.34	6.45	11.04	2.96	1.80	1.66
1000	6.18	5.90	0.28	7.00	10.27	3.31	1.87	1.72

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

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# 2 Way-0° Power Splitter/Combiner

# JPS-2-1+

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +85°C

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
1	3.44	3.44	0.00	0.05	23.62	1.09	1.43	1.43
10	3.21	3.21	0.00	0.08	28.44	1.10	1.26	1.26
20	3.21	3.20	0.01	0.12	28.32	1.10	1.26	1.25
30	3.22	3.21	0.01	0.18	27.89	1.10	1.26	1.25
40	3.23	3.22	0.01	0.26	27.46	1.10	1.26	1.25
50	3.24	3.22	0.02	0.32	27.25	1.10	1.26	1.25
60	3.25	3.23	0.02	0.43	27.19	1.10	1.26	1.25
70	3.26	3.25	0.01	0.53	27.29	1.10	1.26	1.25
80	3.27	3.25	0.02	0.57	27.52	1.11	1.25	1.25
90	3.28	3.27	0.01	0.63	27.76	1.11	1.24	1.26
100	3.28	3.28	0.00	0.69	27.91	1.12	1.24	1.26
125	3.29	3.29	0.00	0.79	27.55	1.13	1.23	1.26
150	3.32	3.31	0.01	0.86	26.90	1.13	1.23	1.25
175	3.34	3.32	0.02	1.02	26.67	1.12	1.23	1.24
200	3.36	3.33	0.03	1.18	26.92	1.12	1.22	1.23
225	3.37	3.35	0.02	1.31	26.93	1.13	1.21	1.23
250	3.39	3.36	0.03	1.41	26.42	1.15	1.21	1.22
275	3.41	3.38	0.03	1.53	25.96	1.15	1.21	1.21
300	3.43	3.40	0.03	1.68	25.84	1.16	1.21	1.21
325	3.45	3.42	0.03	1.80	25.79	1.17	1.21	1.21
350	3.46	3.43	0.03	1.91	25.50	1.18	1.20	1.22
375	3.48	3.45	0.03	2.00	25.08	1.19	1.20	1.22
400	3.50	3.46	0.04	2.10	24.79	1.20	1.20	1.21
425	3.52	3.48	0.04	2.22	24.62	1.20	1.20	1.21
450	3.55	3.50	0.05	2.30	24.40	1.21	1.20	1.21
475	3.57	3.52	0.05	2.37	24.10	1.23	1.20	1.21
500	3.60	3.54	0.06	2.42	23.81	1.24	1.20	1.20
525	3.64	3.56	0.08	2.45	23.63	1.25	1.20	1.20
550	3.67	3.59	0.08	2.48	23.44	1.27	1.21	1.21
575	3.71	3.62	0.09	2.52	23.26	1.28	1.21	1.21
600	3.75	3.65	0.10	2.54	23.00	1.30	1.22	1.21
625	3.80	3.69	0.11	2.56	22.74	1.32	1.23	1.22
650	3.86	3.73	0.13	2.57	22.38	1.35	1.24	1.23
675	3.92	3.77	0.15	2.55	21.95	1.38	1.26	1.23
700	3.99	3.82	0.17	2.50	21.43	1.42	1.28	1.25
725	4.09	3.90	0.19	2.51	20.80	1.46	1.30	1.26
750	4.20	4.00	0.20	2.71	19.92	1.51	1.33	1.28
775	4.28	4.08	0.20	2.63	19.08	1.58	1.35	1.31
800	4.41	4.19	0.22	2.53	18.20	1.65	1.39	1.33
825	4.54	4.31	0.23	2.41	17.29	1.75	1.42	1.36
850	4.70	4.45	0.25	2.26	16.31	1.86	1.47	1.39
875	4.94	4.65	0.28	2.13	15.30	1.98	1.52	1.43
900	5.20	4.87	0.33	1.78	14.31	2.13	1.58	1.48
950	5.79	5.45	0.34	1.46	12.50	2.48	1.68	1.57
975	6.19	5.83	0.36	1.15	11.67	2.70	1.75	1.62
1000	6.64	6.25	0.39	0.75	10.88	2.95	1.81	1.68

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

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