

# 2 Way-0° Power Splitter/Combiner

# JPS-2-1-75+

## 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
5	3.26	3.27	0.01	0.03	33.61	1.03	1.12	1.12
10	3.25	3.27	0.02	0.04	40.02	1.01	1.09	1.09
20	3.27	3.28	0.01	0.04	47.36	1.00	1.08	1.08
30	3.27	3.29	0.02	0.03	49.01	1.00	1.08	1.08
40	3.28	3.29	0.01	0.01	46.56	1.01	1.09	1.09
50	3.29	3.30	0.01	0.02	44.44	1.01	1.09	1.09
75	3.31	3.31	0.00	0.02	40.94	1.03	1.09	1.09
100	3.32	3.33	0.01	0.02	38.33	1.04	1.10	1.09
125	3.33	3.34	0.01	0.07	36.64	1.05	1.10	1.09
150	3.34	3.35	0.01	0.10	34.97	1.07	1.11	1.10
175	3.35	3.36	0.01	0.12	33.92	1.08	1.12	1.12
200	3.36	3.37	0.01	0.11	32.64	1.10	1.14	1.13
225	3.37	3.38	0.01	0.15	31.47	1.11	1.15	1.14
250	3.38	3.39	0.01	0.13	30.38	1.12	1.16	1.15
275	3.39	3.41	0.02	0.20	29.17	1.14	1.17	1.16
300	3.40	3.42	0.02	0.16	28.12	1.15	1.18	1.17
325	3.42	3.43	0.01	0.20	27.27	1.16	1.19	1.18
350	3.42	3.44	0.02	0.17	26.56	1.16	1.20	1.19
375	3.45	3.45	0.00	0.19	25.91	1.17	1.22	1.20
400	3.45	3.46	0.01	0.21	25.34	1.18	1.23	1.21
425	3.48	3.47	0.01	0.17	24.62	1.18	1.25	1.22
450	3.48	3.49	0.01	0.27	23.94	1.18	1.26	1.22
475	3.50	3.50	0.00	0.16	23.12	1.19	1.25	1.23
500	3.51	3.52	0.01	0.31	22.64	1.19	1.25	1.24
525	3.53	3.53	0.00	0.15	21.84	1.19	1.25	1.25
550	3.54	3.55	0.01	0.26	21.54	1.19	1.27	1.26
575	3.56	3.56	0.00	0.05	20.87	1.19	1.28	1.28
600	3.58	3.57	0.01	0.24	20.59	1.19	1.30	1.28
625	3.59	3.60	0.00	0.03	20.02	1.18	1.31	1.28
650	3.62	3.60	0.02	0.18	19.62	1.18	1.31	1.28
675	3.61	3.63	0.02	0.06	18.91	1.18	1.33	1.29
700	3.67	3.63	0.04	0.02	18.50	1.18	1.34	1.30
750	3.70	3.66	0.04	0.14	17.54	1.17	1.34	1.31
800	3.74	3.70	0.04	0.27	16.70	1.16	1.34	1.31
850	3.76	3.74	0.02	0.38	15.78	1.16	1.35	1.32
900	3.79	3.79	0.00	0.45	14.98	1.17	1.34	1.31
950	3.83	3.84	0.01	0.56	14.32	1.19	1.34	1.34
1000	3.87	3.89	0.02	0.74	13.74	1.20	1.35	1.35
1100	3.99	4.00	0.01	1.19	12.68	1.24	1.35	1.37
1200	4.13	4.16	0.03	1.74	11.96	1.29	1.35	1.39
1300	4.35	4.33	0.02	2.41	11.62	1.32	1.36	1.42
1400	4.64	4.56	0.09	3.58	11.27	1.33	1.34	1.44
1500	4.99	4.92	0.07	4.70	10.42	1.32	1.28	1.42
1600	5.43	5.41	0.03	5.72	9.36	1.32	1.22	1.40
1700	5.90	6.04	0.13	6.69	8.32	1.35	1.17	1.36
1800	6.37	6.70	0.34	7.26	7.38	1.45	1.18	1.34
1900	6.94	7.53	0.59	7.88	6.85	1.62	1.22	1.38
2000	7.60	8.68	1.08	9.58	6.68	1.74	1.27	1.45

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

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# 2 Way-0° Power Splitter/Combiner

# JPS-2-1-75+

## 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
5	3.26	3.27	0.01	0.05	25.52	1.05	1.21	1.21
10	3.20	3.22	0.02	0.05	29.63	1.03	1.11	1.11
20	3.19	3.20	0.01	0.02	33.60	1.02	1.05	1.05
30	3.20	3.21	0.01	0.02	35.13	1.02	1.03	1.02
40	3.20	3.22	0.02	0.01	35.74	1.02	1.02	1.01
50	3.21	3.22	0.01	0.03	35.82	1.03	1.01	1.01
75	3.22	3.23	0.01	0.05	35.19	1.04	1.02	1.01
100	3.22	3.24	0.02	0.05	33.97	1.05	1.04	1.03
125	3.23	3.24	0.01	0.09	32.96	1.06	1.07	1.05
150	3.24	3.25	0.01	0.12	31.75	1.07	1.08	1.07
175	3.25	3.26	0.01	0.12	30.98	1.08	1.08	1.07
200	3.25	3.27	0.02	0.13	29.99	1.08	1.10	1.09
225	3.26	3.27	0.01	0.17	29.13	1.09	1.12	1.12
250	3.27	3.28	0.01	0.17	28.23	1.10	1.14	1.14
275	3.28	3.29	0.01	0.23	27.31	1.11	1.15	1.14
300	3.28	3.30	0.02	0.23	26.36	1.12	1.17	1.15
325	3.30	3.30	0.00	0.27	25.63	1.13	1.18	1.17
350	3.30	3.31	0.01	0.24	25.01	1.14	1.20	1.19
375	3.32	3.32	0.00	0.27	24.47	1.15	1.21	1.21
400	3.32	3.33	0.01	0.28	23.96	1.17	1.23	1.22
425	3.34	3.33	0.01	0.28	23.37	1.18	1.26	1.23
450	3.34	3.35	0.01	0.39	22.72	1.19	1.29	1.25
475	3.36	3.35	0.01	0.28	22.02	1.20	1.29	1.26
500	3.36	3.36	0.00	0.44	21.55	1.20	1.28	1.28
525	3.38	3.37	0.01	0.26	20.80	1.21	1.28	1.29
550	3.39	3.38	0.01	0.41	20.51	1.21	1.31	1.31
575	3.40	3.39	0.01	0.19	19.87	1.22	1.34	1.34
600	3.42	3.39	0.02	0.42	19.62	1.22	1.36	1.35
625	3.42	3.41	0.01	0.10	19.08	1.22	1.37	1.35
650	3.45	3.41	0.03	0.37	18.71	1.22	1.38	1.35
675	3.43	3.44	0.01	0.12	18.04	1.22	1.39	1.36
700	3.49	3.43	0.06	0.23	17.66	1.22	1.40	1.37
750	3.51	3.45	0.06	0.09	16.76	1.22	1.42	1.39
800	3.53	3.48	0.06	0.05	15.96	1.21	1.41	1.39
850	3.54	3.50	0.04	0.13	15.07	1.21	1.40	1.37
900	3.55	3.54	0.01	0.16	14.32	1.21	1.37	1.37
950	3.59	3.59	0.00	0.22	13.72	1.22	1.36	1.37
1000	3.62	3.61	0.01	0.40	13.18	1.23	1.35	1.36
1100	3.71	3.70	0.01	0.82	12.22	1.25	1.31	1.33
1200	3.83	3.83	0.00	1.39	11.60	1.27	1.27	1.31
1300	4.02	3.98	0.04	2.01	11.34	1.27	1.29	1.34
1400	4.29	4.18	0.11	3.06	11.03	1.28	1.34	1.42
1500	4.66	4.53	0.14	4.13	10.15	1.33	1.40	1.49
1600	5.15	5.04	0.11	5.14	8.94	1.40	1.43	1.55
1700	5.61	5.67	0.06	6.07	7.76	1.44	1.40	1.57
1800	6.04	6.33	0.29	6.40	6.73	1.48	1.32	1.57
1900	6.54	7.09	0.55	6.48	6.19	1.60	1.20	1.60
2000	7.17	8.18	1.01	8.23	6.23	1.74	1.11	1.52

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

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# 2 Way-0° Power Splitter/Combiner

# JPS-2-1-75+

## 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
5	3.32	3.34	0.02	0.05	35.00	1.03	1.14	1.14
10	3.31	3.33	0.02	0.06	40.96	1.02	1.12	1.12
20	3.33	3.34	0.01	0.04	43.37	1.01	1.12	1.12
30	3.33	3.35	0.02	0.05	42.24	1.01	1.13	1.13
40	3.20	3.36	0.01	0.02	40.95	1.01	1.14	1.14
50	3.35	3.36	0.01	0.01	40.08	1.01	1.15	1.15
75	3.37	3.38	0.01	0.02	38.68	1.03	1.15	1.15
100	3.39	3.40	0.01	0.05	37.63	1.04	1.13	1.13
125	3.39	3.41	0.02	0.09	36.60	1.06	1.12	1.12
150	3.41	3.42	0.01	0.12	35.68	1.07	1.13	1.12
175	3.42	3.43	0.01	0.14	34.83	1.09	1.15	1.14
200	3.43	3.44	0.01	0.14	33.71	1.11	1.16	1.16
225	3.44	3.46	0.02	0.20	32.49	1.12	1.16	1.16
250	3.45	3.47	0.02	0.19	31.47	1.13	1.16	1.16
275	3.47	3.49	0.02	0.25	30.15	1.15	1.17	1.16
300	3.48	3.51	0.03	0.23	29.15	1.16	1.18	1.17
325	3.49	3.51	0.02	0.26	28.25	1.16	1.19	1.18
350	3.50	3.53	0.03	0.24	27.54	1.17	1.20	1.18
375	3.52	3.54	0.02	0.26	26.88	1.17	1.20	1.19
400	3.53	3.55	0.02	0.27	26.27	1.17	1.22	1.20
425	3.56	3.57	0.01	0.26	25.47	1.17	1.23	1.20
450	3.56	3.59	0.03	0.34	24.78	1.18	1.24	1.20
475	3.58	3.60	0.02	0.25	23.92	1.17	1.23	1.20
500	3.59	3.62	0.03	0.36	23.42	1.17	1.23	1.21
525	3.62	3.63	0.01	0.22	22.58	1.17	1.22	1.22
550	3.63	3.65	0.02	0.32	22.27	1.17	1.24	1.23
575	3.65	3.67	0.02	0.13	21.56	1.17	1.26	1.24
600	3.67	3.68	0.01	0.30	21.26	1.16	1.27	1.25
625	3.68	3.71	0.03	0.03	20.66	1.16	1.28	1.25
650	3.72	3.72	0.00	0.24	20.22	1.16	1.28	1.25
675	3.71	3.75	0.04	0.01	19.48	1.15	1.30	1.25
700	3.77	3.75	0.02	0.09	19.05	1.15	1.30	1.27
750	3.81	3.79	0.02	0.07	18.04	1.15	1.31	1.28
800	3.85	3.84	0.01	0.23	17.17	1.14	1.32	1.29
850	3.88	3.88	0.00	0.35	16.20	1.15	1.33	1.30
900	3.91	3.93	0.02	0.45	15.20	1.16	1.32	1.30
950	3.96	4.00	0.03	0.58	14.67	1.18	1.33	1.33
1000	4.01	4.04	0.03	0.79	14.06	1.20	1.35	1.35
1100	4.14	4.18	0.04	1.28	12.95	1.25	1.36	1.37
1200	4.30	4.19	0.04	1.81	12.18	1.31	1.36	1.40
1300	4.53	4.53	0.00	2.43	11.81	1.36	1.37	1.43
1400	4.83	4.77	0.07	3.62	11.45	1.36	1.33	1.43
1500	5.18	5.12	0.06	4.72	10.64	1.34	1.26	1.40
1600	5.61	5.61	0.01	5.75	9.65	1.31	1.19	1.37
1700	6.07	6.22	0.14	6.76	8.67	1.34	1.14	1.32
1800	6.53	6.88	0.35	7.49	7.75	1.47	1.17	1.30
1900	7.13	7.71	0.58	8.18	7.20	1.67	1.25	1.36
2000	7.78	8.86	1.08	10.00	6.92	1.80	1.34	1.45

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

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