

# 2 Way-0° Power Splitter/Combiner

# ADP-2-4

## 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
10	3.31	3.32	0.01	0.19	29.25	1.11	1.28	1.29
20	3.28	3.30	0.02	0.23	28.99	1.09	1.26	1.28
30	3.27	3.29	0.02	0.25	28.48	1.10	1.26	1.27
40	3.27	3.29	0.02	0.25	28.06	1.10	1.26	1.27
50	3.27	3.29	0.02	0.25	27.73	1.10	1.25	1.27
60	3.27	3.29	0.02	0.22	27.47	1.11	1.25	1.26
70	3.27	3.29	0.02	0.22	27.21	1.11	1.25	1.26
80	3.28	3.29	0.01	0.23	27.01	1.12	1.25	1.26
90	3.28	3.29	0.01	0.23	26.80	1.12	1.25	1.26
100	3.29	3.30	0.01	0.23	26.61	1.13	1.25	1.26
150	3.32	3.32	0.00	0.21	25.83	1.14	1.25	1.25
200	3.35	3.34	0.01	0.17	25.17	1.16	1.25	1.25
250	3.37	3.36	0.01	0.08	24.53	1.19	1.25	1.25
300	3.40	3.38	0.02	0.08	23.94	1.21	1.26	1.25
350	3.43	3.41	0.02	0.03	23.48	1.22	1.26	1.25
400	3.46	3.43	0.03	0.01	23.03	1.24	1.26	1.26
450	3.50	3.45	0.05	0.02	22.62	1.26	1.26	1.26
500	3.53	3.47	0.06	0.00	22.36	1.28	1.26	1.26
550	3.56	3.50	0.06	0.00	22.16	1.29	1.26	1.26
600	3.60	3.52	0.08	0.02	22.04	1.30	1.26	1.26
650	3.63	3.55	0.08	0.01	22.06	1.30	1.25	1.25
700	3.66	3.56	0.10	0.01	22.24	1.30	1.25	1.24
750	3.70	3.59	0.11	0.06	22.55	1.29	1.24	1.23
800	3.74	3.61	0.13	0.05	23.05	1.27	1.22	1.22
850	3.78	3.63	0.15	0.04	23.82	1.24	1.20	1.20
900	3.83	3.67	0.16	0.01	24.91	1.20	1.18	1.17
950	3.90	3.71	0.19	0.02	26.17	1.15	1.14	1.13
1000	4.01	3.79	0.22	0.00	26.73	1.10	1.10	1.09
1050	4.17	3.92	0.25	0.02	25.03	1.13	1.07	1.03
1100	4.43	4.15	0.29	0.00	21.70	1.26	1.09	1.06
1150	4.89	4.54	0.35	0.00	18.21	1.48	1.18	1.16
1200	5.63	5.21	0.41	0.04	15.09	1.84	1.32	1.30

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

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# 2 Way-0° Power Splitter/Combiner

# ADP-2-4

## 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
10	3.22	3.22	0.00	0.20	25.97	1.13	1.32	1.33
20	3.22	3.24	0.01	0.25	30.45	1.09	1.25	1.26
30	3.22	3.23	0.01	0.25	32.50	1.09	1.23	1.24
40	3.21	3.23	0.02	0.24	33.44	1.10	1.22	1.23
50	3.21	3.23	0.02	0.26	33.74	1.11	1.21	1.22
60	3.22	3.24	0.02	0.22	33.44	1.11	1.21	1.22
70	3.22	3.24	0.02	0.22	32.71	1.12	1.20	1.22
80	3.23	3.24	0.01	0.24	31.84	1.13	1.20	1.22
90	3.23	3.24	0.01	0.23	30.93	1.14	1.20	1.22
100	3.24	3.25	0.01	0.23	30.11	1.15	1.21	1.22
150	3.26	3.26	0.00	0.20	28.00	1.16	1.22	1.22
200	3.27	3.27	0.00	0.17	27.42	1.17	1.21	1.21
250	3.30	3.29	0.01	0.10	25.80	1.22	1.23	1.23
300	3.33	3.31	0.02	0.09	24.72	1.24	1.24	1.24
350	3.35	3.32	0.03	0.05	24.24	1.25	1.24	1.24
400	3.37	3.35	0.02	0.01	23.46	1.28	1.24	1.25
450	3.40	3.36	0.04	0.00	22.95	1.30	1.25	1.25
500	3.43	3.37	0.06	0.04	22.69	1.31	1.25	1.25
550	3.45	3.39	0.06	0.07	22.47	1.31	1.25	1.25
600	3.47	3.40	0.07	0.04	22.42	1.31	1.25	1.25
650	3.50	3.42	0.08	0.05	22.44	1.31	1.24	1.24
700	3.53	3.43	0.10	0.04	22.57	1.31	1.24	1.23
750	3.56	3.44	0.12	0.00	22.93	1.29	1.22	1.22
800	3.59	3.46	0.13	0.02	23.40	1.27	1.21	1.21
850	3.62	3.47	0.15	0.04	24.17	1.24	1.19	1.19
900	3.67	3.50	0.17	0.08	25.33	1.20	1.17	1.16
950	3.72	3.53	0.19	0.06	26.63	1.15	1.14	1.13
1000	3.82	3.59	0.23	0.06	27.01	1.10	1.10	1.09
1050	3.97	3.70	0.26	0.12	24.96	1.13	1.06	1.03
1100	4.21	3.90	0.30	0.12	21.38	1.27	1.09	1.07
1150	4.64	4.27	0.37	0.10	17.77	1.52	1.19	1.18
1200	5.38	4.94	0.44	0.07	14.67	1.91	1.35	1.33

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

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# 2 Way-0° Power Splitter/Combiner

# ADP-2-4

## 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
10	3.43	3.43	0.00	0.20	25.45	1.12	1.36	1.37
20	3.37	3.39	0.03	0.26	24.95	1.10	1.34	1.35
30	3.35	3.37	0.02	0.26	24.51	1.10	1.34	1.35
40	3.34	3.37	0.03	0.27	24.16	1.10	1.33	1.35
50	3.34	3.37	0.03	0.29	23.89	1.10	1.33	1.35
60	3.35	3.37	0.02	0.25	23.71	1.10	1.33	1.35
70	3.35	3.38	0.03	0.24	23.57	1.10	1.33	1.34
80	3.35	3.38	0.03	0.25	23.48	1.10	1.33	1.34
90	3.36	3.38	0.02	0.24	23.45	1.10	1.33	1.34
100	3.36	3.38	0.02	0.23	23.46	1.10	1.33	1.34
150	3.39	3.40	0.01	0.20	23.41	1.12	1.31	1.32
200	3.43	3.42	0.01	0.17	22.81	1.15	1.31	1.31
250	3.45	3.44	0.01	0.05	22.48	1.16	1.31	1.31
300	3.47	3.46	0.01	0.04	22.35	1.17	1.30	1.30
350	3.51	3.48	0.03	0.00	22.12	1.19	1.29	1.29
400	3.54	3.51	0.03	0.06	21.84	1.21	1.29	1.29
450	3.57	3.53	0.04	0.11	21.66	1.23	1.29	1.29
500	3.60	3.55	0.05	0.08	21.58	1.24	1.28	1.28
550	3.64	3.58	0.06	0.08	21.51	1.26	1.28	1.28
600	3.68	3.61	0.07	0.11	21.46	1.27	1.27	1.28
650	3.72	3.64	0.08	0.11	21.60	1.28	1.27	1.27
700	3.75	3.66	0.09	0.12	21.86	1.28	1.26	1.26
750	3.79	3.69	0.10	0.17	22.14	1.28	1.25	1.25
800	3.84	3.73	0.11	0.15	22.55	1.27	1.24	1.24
850	3.89	3.75	0.14	0.16	23.32	1.25	1.22	1.22
900	3.95	3.80	0.15	0.15	24.26	1.21	1.19	1.19
950	4.02	3.85	0.17	0.16	25.37	1.17	1.16	1.16
1000	4.14	3.94	0.20	0.13	26.20	1.13	1.13	1.11
1050	4.31	4.09	0.22	0.09	25.40	1.14	1.09	1.06
1100	4.57	4.32	0.26	0.11	22.59	1.24	1.09	1.05
1150	5.00	4.69	0.31	0.11	19.18	1.43	1.16	1.13
1200	5.71	5.34	0.37	0.11	16.08	1.74	1.29	1.26

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

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