

2 Way-0° Power Splitter/Combiner

ADP-2-10

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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
5	3.27	3.28	0.01	0.01	25.67	1.06	1.22	1.22
10	3.28	3.28	0.00	0.01	26.56	1.04	1.19	1.19
20	3.27	3.27	0.00	0.02	26.83	1.03	1.18	1.18
30	3.27	3.27	0.00	0.03	26.76	1.02	1.18	1.18
40	3.28	3.28	0.00	0.04	26.60	1.02	1.18	1.18
50	3.29	3.29	0.00	0.05	26.44	1.03	1.18	1.18
60	3.29	3.30	0.01	0.06	26.30	1.03	1.18	1.18
70	3.30	3.30	0.00	0.07	26.16	1.03	1.18	1.18
80	3.31	3.31	0.00	0.10	26.05	1.03	1.18	1.18
90	3.32	3.31	0.01	0.08	25.90	1.04	1.17	1.18
100	3.32	3.32	0.00	0.10	25.73	1.04	1.17	1.18
150	3.35	3.34	0.01	0.20	24.94	1.06	1.17	1.17
200	3.37	3.37	0.00	0.26	24.25	1.07	1.16	1.17
250	3.40	3.39	0.01	0.31	23.61	1.09	1.16	1.17
300	3.43	3.41	0.02	0.37	22.97	1.10	1.16	1.16
350	3.46	3.43	0.03	0.41	22.39	1.11	1.15	1.16
400	3.49	3.46	0.03	0.46	21.82	1.13	1.15	1.15
450	3.52	3.48	0.04	0.47	21.29	1.13	1.14	1.15
500	3.55	3.50	0.05	0.51	20.89	1.14	1.14	1.14
550	3.59	3.52	0.07	0.50	20.56	1.15	1.13	1.14
600	3.62	3.55	0.07	0.51	20.28	1.15	1.13	1.13
650	3.66	3.58	0.08	0.49	20.11	1.16	1.12	1.12
700	3.70	3.60	0.10	0.48	20.01	1.16	1.11	1.12
750	3.74	3.62	0.12	0.43	19.98	1.17	1.11	1.11
800	3.79	3.65	0.14	0.40	20.07	1.18	1.11	1.11
850	3.84	3.69	0.15	0.34	20.18	1.19	1.11	1.11
900	3.89	3.72	0.17	0.27	20.38	1.21	1.13	1.12
950	3.96	3.77	0.19	0.17	20.57	1.24	1.14	1.13
1000	4.03	3.83	0.20	0.04	20.67	1.28	1.17	1.16
1050	4.11	3.90	0.21	0.16	20.60	1.33	1.19	1.18
1100	4.22	3.99	0.23	0.37	20.22	1.40	1.23	1.22
1150	4.35	4.10	0.25	0.59	19.46	1.48	1.28	1.26
1200	4.53	4.26	0.27	0.85	18.31	1.59	1.33	1.31
1250	4.73	4.46	0.27	1.18	16.90	1.72	1.39	1.36
1300	5.01	4.73	0.29	1.52	15.42	1.88	1.45	1.43
1350	5.34	5.06	0.28	1.92	13.90	2.06	1.52	1.50
1400	5.76	5.48	0.27	2.46	12.49	2.28	1.60	1.57
1450	6.29	6.01	0.28	3.00	11.20	2.52	1.68	1.65
1500	6.91	6.64	0.27	3.59	10.06	2.77	1.75	1.72
1550	7.61	7.39	0.22	4.26	9.07	3.04	1.82	1.79
1600	8.41	8.24	0.17	5.07	8.23	3.31	1.88	1.85

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADP-2-10
100623
Page 1 of 3



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2 Way-0° Power Splitter/Combiner

ADP-2-10

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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
5	3.31	3.32	0.01	0.03	20.32	1.10	1.37	1.37
10	3.25	3.25	0.01	0.02	23.47	1.05	1.25	1.25
20	3.21	3.21	0.00	0.00	26.86	1.02	1.18	1.18
30	3.20	3.21	0.01	0.00	28.43	1.01	1.16	1.16
40	3.20	3.21	0.01	0.01	29.30	1.01	1.15	1.15
50	3.21	3.21	0.00	0.00	29.75	1.01	1.14	1.14
60	3.21	3.22	0.01	0.00	29.90	1.02	1.13	1.14
70	3.22	3.22	0.00	0.01	29.71	1.03	1.13	1.13
80	3.22	3.22	0.00	0.03	29.36	1.04	1.13	1.13
90	3.23	3.23	0.00	0.00	28.83	1.06	1.13	1.13
100	3.23	3.23	0.00	0.01	28.21	1.07	1.14	1.14
150	3.25	3.25	0.00	0.09	26.43	1.07	1.14	1.14
200	3.27	3.27	0.00	0.10	25.79	1.08	1.13	1.14
250	3.30	3.29	0.01	0.10	24.40	1.12	1.13	1.14
300	3.32	3.31	0.01	0.13	23.38	1.13	1.14	1.14
350	3.35	3.33	0.02	0.14	22.75	1.14	1.13	1.14
400	3.37	3.35	0.02	0.15	21.99	1.16	1.13	1.13
450	3.40	3.37	0.03	0.12	21.44	1.16	1.13	1.14
500	3.43	3.39	0.04	0.12	21.03	1.16	1.12	1.13
550	3.45	3.40	0.05	0.06	20.73	1.17	1.12	1.12
600	3.48	3.42	0.06	0.05	20.49	1.17	1.12	1.12
650	3.52	3.44	0.08	0.05	20.22	1.17	1.11	1.12
700	3.55	3.45	0.10	0.11	20.09	1.18	1.11	1.10
750	3.59	3.47	0.12	0.17	20.06	1.18	1.11	1.10
800	3.62	3.50	0.12	0.21	20.04	1.19	1.10	1.10
850	3.66	3.53	0.13	0.34	20.08	1.20	1.10	1.10
900	3.71	3.56	0.15	0.48	20.20	1.22	1.12	1.10
950	3.76	3.60	0.16	0.60	20.29	1.25	1.13	1.12
1000	3.83	3.65	0.18	0.74	20.46	1.28	1.15	1.14
1050	3.90	3.71	0.19	0.99	20.45	1.33	1.19	1.17
1100	4.00	3.79	0.21	1.24	20.09	1.41	1.23	1.21
1150	4.12	3.89	0.23	1.53	19.32	1.50	1.27	1.25
1200	4.28	4.04	0.24	1.84	18.17	1.61	1.33	1.31
1250	4.49	4.23	0.26	2.08	16.76	1.75	1.39	1.36
1300	4.73	4.48	0.25	2.48	15.26	1.91	1.46	1.43
1350	5.04	4.79	0.25	3.00	13.78	2.09	1.53	1.49
1400	5.44	5.18	0.25	3.47	12.37	2.32	1.61	1.57
1450	5.95	5.70	0.25	4.16	11.04	2.59	1.69	1.65
1500	6.54	6.29	0.25	4.28	9.88	2.84	1.75	1.72
1550	7.20	7.02	0.18	5.21	8.88	3.14	1.82	1.79
1600	7.98	7.85	0.13	5.97	8.03	3.42	1.89	1.86

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADP-2-10
100623
Page 2 of 3



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2 Way-0° Power Splitter/Combiner

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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) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
5	3.34	3.35	0.01	0.02	23.22	1.06	1.27	1.27
10	3.36	3.37	0.01	0.02	23.74	1.05	1.26	1.26
20	3.37	3.37	0.00	0.01	23.86	1.05	1.25	1.25
30	3.37	3.37	0.00	0.02	23.74	1.05	1.25	1.25
40	3.38	3.38	0.00	0.04	23.54	1.05	1.26	1.25
50	3.39	3.39	0.00	0.04	23.36	1.05	1.26	1.25
60	3.40	3.40	0.00	0.08	23.22	1.05	1.26	1.25
70	3.40	3.40	0.00	0.11	23.12	1.05	1.25	1.25
80	3.41	3.41	0.00	0.13	23.10	1.05	1.25	1.25
90	3.41	3.41	0.00	0.12	23.10	1.04	1.25	1.25
100	3.41	3.41	0.00	0.14	23.12	1.04	1.25	1.25
150	3.44	3.44	0.00	0.25	23.08	1.05	1.23	1.23
200	3.47	3.46	0.01	0.32	22.43	1.08	1.22	1.22
250	3.49	3.47	0.02	0.43	22.15	1.07	1.21	1.21
300	3.51	3.50	0.01	0.52	22.01	1.06	1.20	1.21
350	3.55	3.52	0.03	0.57	21.58	1.08	1.19	1.19
400	3.58	3.54	0.04	0.66	21.10	1.10	1.18	1.18
450	3.62	3.57	0.05	0.70	20.75	1.10	1.17	1.18
500	3.66	3.60	0.06	0.79	20.45	1.11	1.16	1.17
550	3.69	3.62	0.07	0.83	20.19	1.12	1.15	1.16
600	3.73	3.65	0.08	0.87	19.99	1.13	1.14	1.15
650	3.78	3.68	0.10	0.87	19.89	1.13	1.14	1.14
700	3.82	3.71	0.11	0.92	19.84	1.15	1.13	1.14
750	3.87	3.74	0.13	0.91	19.82	1.16	1.13	1.13
800	3.91	3.77	0.14	0.91	19.95	1.17	1.12	1.13
850	3.97	3.81	0.16	0.84	20.16	1.18	1.13	1.13
900	4.03	3.85	0.18	0.82	20.39	1.21	1.14	1.14
950	4.10	3.90	0.20	0.76	20.66	1.23	1.15	1.15
1000	4.18	3.97	0.21	0.69	20.93	1.27	1.17	1.17
1050	4.27	4.04	0.23	0.56	21.00	1.32	1.20	1.19
1100	4.38	4.14	0.25	0.33	20.78	1.38	1.24	1.23
1150	4.52	4.26	0.26	0.12	20.19	1.46	1.28	1.27
1200	4.70	4.42	0.29	0.13	19.10	1.56	1.33	1.32
1250	4.94	4.63	0.31	0.36	17.67	1.69	1.39	1.37
1300	5.21	4.91	0.29	0.75	16.11	1.85	1.46	1.44
1350	5.57	5.26	0.31	1.27	14.53	2.04	1.54	1.52
1400	6.01	5.70	0.31	1.74	13.06	2.26	1.62	1.59
1450	6.57	6.25	0.32	2.48	11.73	2.51	1.71	1.67
1500	7.25	6.89	0.36	2.55	10.55	2.76	1.78	1.75
1550	7.96	7.67	0.29	3.61	9.52	3.06	1.86	1.83
1600	8.80	8.55	0.25	4.46	8.66	3.35	1.94	1.89

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADP-2-10
100623
Page 3 of 3



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