

2 Way-0° Power Splitter/Combiner

ADP-2-9

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)	VSWR (:1)		
	S-1	S-2				S	1	2
50	3.76	3.86	0.10	0.15	16.36	1.90	2.52	2.56
100	3.48	3.56	0.08	0.03	20.63	1.45	1.72	1.74
150	3.43	3.51	0.08	0.07	23.40	1.35	1.50	1.52
200	3.41	3.48	0.07	0.13	25.36	1.31	1.40	1.42
225	3.40	3.48	0.08	0.15	26.23	1.30	1.38	1.40
250	3.40	3.47	0.07	0.20	26.96	1.29	1.35	1.37
275	3.40	3.47	0.07	0.20	27.55	1.29	1.34	1.36
300	3.39	3.47	0.08	0.24	28.05	1.29	1.32	1.35
325	3.40	3.47	0.07	0.26	28.58	1.29	1.31	1.33
350	3.39	3.47	0.08	0.28	29.01	1.29	1.30	1.33
375	3.39	3.46	0.07	0.29	29.40	1.29	1.30	1.32
400	3.39	3.46	0.07	0.31	29.68	1.29	1.29	1.31
425	3.40	3.46	0.06	0.31	29.91	1.29	1.29	1.31
450	3.40	3.46	0.06	0.33	30.03	1.29	1.28	1.31
475	3.40	3.46	0.06	0.33	30.21	1.29	1.28	1.30
500	3.41	3.46	0.05	0.34	30.32	1.29	1.27	1.30
525	3.41	3.46	0.05	0.36	30.51	1.29	1.27	1.29
550	3.41	3.46	0.05	0.36	30.60	1.29	1.27	1.29
575	3.42	3.46	0.04	0.38	30.78	1.28	1.26	1.29
600	3.42	3.46	0.04	0.36	30.95	1.28	1.26	1.29
625	3.43	3.46	0.03	0.36	31.24	1.28	1.26	1.28
650	3.43	3.46	0.03	0.39	31.56	1.27	1.25	1.28
675	3.44	3.46	0.02	0.40	31.93	1.27	1.25	1.28
700	3.44	3.46	0.02	0.36	32.32	1.26	1.25	1.27
725	3.45	3.46	0.01	0.40	32.85	1.25	1.24	1.27
750	3.45	3.46	0.01	0.39	33.56	1.24	1.24	1.26
775	3.46	3.45	0.01	0.39	34.51	1.23	1.23	1.26
800	3.46	3.46	0.01	0.38	35.70	1.22	1.22	1.25
825	3.47	3.46	0.01	0.36	37.14	1.21	1.22	1.24
850	3.48	3.46	0.02	0.35	38.88	1.19	1.21	1.24
875	3.49	3.46	0.03	0.34	40.70	1.17	1.20	1.23
900	3.50	3.45	0.05	0.32	41.21	1.15	1.20	1.22
1000	3.55	3.46	0.09	0.25	31.44	1.05	1.16	1.18
1100	3.66	3.51	0.15	0.08	23.94	1.11	1.14	1.14
1200	3.92	3.69	0.23	0.10	18.51	1.40	1.20	1.17
1300	4.54	4.19	0.35	0.45	14.15	1.98	1.38	1.34
1400	5.92	5.39	0.54	0.88	10.76	3.23	1.72	1.65

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADP-2-9
100623
Page 1 of 3



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2 Way-0° Power Splitter/Combiner

ADP-2-9

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)	VSWR (:1)		
	S-1	S-2				S	1	2
50	3.77	3.87	0.10	0.16	16.24	1.89	2.53	2.57
100	3.51	3.59	0.08	0.05	20.71	1.49	1.76	1.78
150	3.44	3.51	0.07	0.08	23.17	1.38	1.54	1.56
200	3.39	3.47	0.08	0.15	25.20	1.32	1.42	1.44
225	3.39	3.47	0.08	0.16	26.32	1.32	1.40	1.42
250	3.38	3.46	0.08	0.22	27.19	1.33	1.38	1.41
275	3.39	3.46	0.07	0.22	27.60	1.33	1.37	1.40
300	3.38	3.45	0.07	0.24	27.82	1.33	1.36	1.38
325	3.38	3.45	0.07	0.27	28.17	1.32	1.35	1.37
350	3.37	3.44	0.07	0.31	28.53	1.32	1.33	1.35
375	3.37	3.44	0.07	0.32	28.86	1.32	1.32	1.35
400	3.37	3.44	0.07	0.34	29.02	1.32	1.32	1.35
425	3.37	3.44	0.07	0.34	29.10	1.32	1.31	1.34
450	3.37	3.44	0.07	0.31	29.14	1.32	1.31	1.34
475	3.37	3.43	0.06	0.32	29.29	1.32	1.30	1.33
500	3.37	3.43	0.06	0.32	29.38	1.32	1.30	1.32
525	3.37	3.42	0.05	0.35	29.50	1.31	1.30	1.32
550	3.37	3.42	0.05	0.36	29.55	1.31	1.29	1.31
575	3.37	3.42	0.05	0.37	29.74	1.30	1.28	1.31
600	3.37	3.42	0.05	0.36	30.07	1.29	1.28	1.30
625	3.37	3.41	0.04	0.35	30.49	1.28	1.27	1.29
650	3.37	3.41	0.04	0.37	30.85	1.28	1.27	1.29
675	3.38	3.41	0.03	0.41	31.09	1.28	1.27	1.28
700	3.38	3.40	0.02	0.36	31.40	1.27	1.26	1.28
725	3.39	3.40	0.01	0.41	31.88	1.26	1.25	1.28
750	3.38	3.39	0.01	0.40	32.64	1.25	1.24	1.27
775	3.39	3.39	0.00	0.39	33.63	1.23	1.23	1.26
800	3.39	3.39	0.00	0.40	34.82	1.22	1.23	1.25
825	3.39	3.39	0.00	0.37	36.09	1.21	1.22	1.25
850	3.40	3.38	0.02	0.37	37.39	1.20	1.22	1.24
875	3.41	3.38	0.03	0.36	38.75	1.18	1.22	1.24
900	3.42	3.38	0.04	0.33	39.43	1.16	1.21	1.23
1000	3.46	3.38	0.08	0.24	31.56	1.06	1.17	1.19
1100	3.56	3.42	0.14	0.07	23.98	1.11	1.15	1.15
1200	3.81	3.60	0.22	0.10	18.53	1.41	1.21	1.18
1300	4.40	4.06	0.34	0.42	14.17	1.99	1.39	1.34
1400	5.72	5.21	0.51	0.86	10.76	3.25	1.73	1.66

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADP-2-9
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)	VSWR (:1)		
	S-1	S-2				S	1	2
50	3.76	3.85	0.09	0.15	16.53	1.92	2.53	2.56
100	3.46	3.54	0.08	0.02	20.48	1.42	1.69	1.71
150	3.42	3.49	0.07	0.08	23.47	1.31	1.47	1.49
200	3.41	3.48	0.07	0.14	25.49	1.30	1.39	1.41
225	3.41	3.48	0.07	0.18	26.09	1.29	1.37	1.38
250	3.39	3.46	0.07	0.26	26.63	1.27	1.33	1.35
275	3.39	3.46	0.07	0.23	27.23	1.26	1.31	1.33
300	3.38	3.45	0.07	0.29	27.95	1.25	1.29	1.31
325	3.39	3.46	0.07	0.31	28.73	1.25	1.28	1.30
350	3.39	3.45	0.06	0.33	29.37	1.26	1.27	1.29
375	3.39	3.45	0.06	0.32	29.83	1.26	1.27	1.29
400	3.39	3.46	0.07	0.39	30.23	1.26	1.27	1.29
425	3.40	3.46	0.06	0.38	30.61	1.26	1.26	1.28
450	3.40	3.45	0.05	0.39	30.91	1.26	1.25	1.28
475	3.40	3.46	0.06	0.40	31.24	1.26	1.25	1.27
500	3.41	3.46	0.05	0.41	31.47	1.26	1.25	1.27
525	3.41	3.46	0.05	0.42	31.78	1.26	1.25	1.27
550	3.42	3.46	0.04	0.46	31.94	1.26	1.24	1.27
575	3.43	3.47	0.04	0.46	32.13	1.26	1.24	1.27
600	3.44	3.47	0.03	0.46	32.25	1.26	1.24	1.27
625	3.45	3.48	0.03	0.47	32.46	1.26	1.24	1.27
650	3.45	3.48	0.03	0.49	32.69	1.26	1.24	1.27
675	3.46	3.48	0.02	0.49	33.07	1.26	1.24	1.26
700	3.46	3.48	0.02	0.46	33.61	1.25	1.23	1.26
725	3.47	3.48	0.01	0.49	34.27	1.24	1.23	1.26
750	3.48	3.48	0.00	0.50	34.99	1.24	1.23	1.25
775	3.49	3.49	0.00	0.48	35.83	1.23	1.23	1.25
800	3.50	3.49	0.01	0.49	37.00	1.23	1.22	1.25
825	3.51	3.49	0.02	0.49	38.75	1.21	1.22	1.24
850	3.51	3.49	0.02	0.46	41.24	1.20	1.21	1.24
875	3.52	3.49	0.03	0.47	44.80	1.18	1.20	1.23
900	3.54	3.49	0.05	0.44	46.45	1.16	1.20	1.22
1000	3.59	3.50	0.09	0.39	32.02	1.06	1.17	1.18
1100	3.71	3.55	0.16	0.23	24.20	1.09	1.14	1.14
1200	3.97	3.74	0.23	0.04	18.65	1.37	1.19	1.16
1300	4.62	4.26	0.36	0.33	14.16	1.96	1.37	1.33
1400	6.08	5.54	0.54	0.78	10.75	3.23	1.73	1.66

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADP-2-9
100623
Page 3 of 3



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