

2 Way-0° Power Splitter/Combiner

ADP-2-20-75+

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
5	3.53	3.53	0.00	0.02	15.23	2.00	1.42	1.42
10	3.53	3.53	0.00	0.01	15.62	1.99	1.42	1.42
20	3.54	3.53	0.01	0.03	15.84	1.99	1.42	1.42
50	3.55	3.55	0.00	0.04	15.87	1.98	1.42	1.42
100	3.56	3.55	0.01	0.09	16.02	1.98	1.43	1.43
150	3.57	3.57	0.00	0.13	16.15	1.97	1.44	1.44
200	3.58	3.58	0.00	0.20	16.31	1.96	1.45	1.45
250	3.59	3.59	0.00	0.26	16.49	1.96	1.45	1.46
300	3.60	3.59	0.01	0.36	16.68	1.95	1.46	1.47
350	3.60	3.59	0.01	0.44	16.86	1.95	1.47	1.48
400	3.61	3.59	0.02	0.49	17.08	1.95	1.48	1.48
450	3.61	3.59	0.02	0.56	17.29	1.94	1.49	1.49
500	3.61	3.59	0.02	0.62	17.46	1.93	1.50	1.50
550	3.62	3.59	0.03	0.64	17.71	1.92	1.50	1.51
600	3.62	3.58	0.04	0.72	18.00	1.91	1.51	1.51
650	3.63	3.58	0.05	0.69	18.32	1.90	1.51	1.52
700	3.63	3.58	0.05	0.68	18.68	1.88	1.52	1.53
750	3.63	3.59	0.04	0.70	19.12	1.87	1.52	1.53
800	3.64	3.60	0.04	0.74	19.68	1.85	1.53	1.53
850	3.66	3.62	0.04	0.83	20.36	1.84	1.53	1.53
900	3.69	3.65	0.04	0.99	20.95	1.82	1.53	1.53
950	3.71	3.67	0.04	1.06	21.33	1.80	1.53	1.53
1000	3.73	3.67	0.06	1.13	21.64	1.78	1.53	1.53
1050	3.74	3.68	0.07	1.19	21.74	1.76	1.53	1.53
1100	3.76	3.68	0.08	1.21	21.70	1.75	1.52	1.52
1150	3.74	3.66	0.08	1.29	21.55	1.73	1.52	1.52
1200	3.73	3.64	0.10	1.41	21.00	1.71	1.51	1.51
1250	3.73	3.62	0.11	1.44	20.35	1.69	1.50	1.50
1300	3.71	3.57	0.14	1.44	19.75	1.67	1.50	1.50
1350	3.67	3.53	0.14	1.34	19.02	1.64	1.48	1.48
1400	3.61	3.48	0.14	1.19	18.44	1.61	1.47	1.47
1450	3.56	3.42	0.14	1.17	18.26	1.58	1.45	1.46
1500	3.52	3.39	0.13	1.18	18.27	1.55	1.44	1.44
1550	3.47	3.34	0.13	1.11	18.45	1.51	1.42	1.42
1600	3.43	3.30	0.13	1.15	18.81	1.47	1.40	1.40
1650	3.42	3.30	0.12	1.19	19.24	1.42	1.37	1.38
1700	3.43	3.30	0.14	1.24	20.05	1.38	1.35	1.36
1750	3.46	3.31	0.15	1.31	21.65	1.33	1.33	1.34
1800	3.50	3.31	0.19	1.29	23.16	1.27	1.31	1.32
1850	3.56	3.32	0.24	1.37	24.11	1.21	1.28	1.30
1900	3.64	3.36	0.28	1.39	23.58	1.15	1.26	1.27
1950	3.72	3.41	0.31	1.22	21.41	1.09	1.24	1.25
2000	3.76	3.44	0.32	1.07	19.27	1.06	1.23	1.22
2050	3.76	3.45	0.31	1.05	17.48	1.08	1.22	1.20
2100	3.72	3.42	0.30	0.99	15.75	1.15	1.22	1.18
2200	3.65	3.31	0.34	1.13	12.90	1.35	1.24	1.15
2300	3.79	3.40	0.39	0.51	11.24	1.63	1.27	1.14
2400	4.17	3.85	0.32	0.08	10.39	2.00	1.29	1.16
2500	5.05	4.70	0.35	0.72	10.39	2.47	1.32	1.21
2600	6.23	5.72	0.51	1.62	9.76	3.18	1.33	1.27
2700	7.35	6.59	0.76	2.96	8.51	4.37	1.33	1.36
2800	8.37	7.42	0.94	4.13	7.24	6.04	1.32	1.46
2900	9.05	7.83	1.22	3.21	5.71	7.85	1.28	1.53
3000	9.52	8.13	1.39	4.02	4.52	10.07	1.26	1.58

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-0° Power Splitter/Combiner

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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
5	3.52	3.52	0.00	0.01	11.77	1.99	1.41	1.41
10	3.52	3.52	0.00	0.01	14.10	1.99	1.46	1.46
20	3.53	3.52	0.01	0.05	16.51	1.97	1.51	1.51
50	3.53	3.53	0.00	0.11	17.65	1.92	1.53	1.58
100	3.54	3.53	0.01	0.26	17.92	1.96	1.55	1.55
150	3.55	3.54	0.01	0.44	18.04	1.96	1.56	1.56
200	3.56	3.54	0.02	0.61	18.14	1.94	1.56	1.56
250	3.56	3.54	0.02	0.81	18.24	1.99	1.54	1.54
300	3.56	3.54	0.02	1.01	18.37	1.97	1.53	1.54
350	3.56	3.53	0.03	1.23	18.49	1.99	1.52	1.53
400	3.56	3.52	0.04	1.40	18.68	2.00	1.53	1.55
450	3.56	3.52	0.04	1.61	18.83	2.02	1.54	1.54
500	3.56	3.51	0.05	1.81	18.97	2.01	1.55	1.57
550	3.55	3.50	0.05	1.94	19.22	1.98	1.56	1.57
600	3.56	3.49	0.07	2.13	19.50	1.97	1.57	1.61
650	3.56	3.48	0.08	2.20	19.84	1.92	1.59	1.65
700	3.57	3.48	0.08	2.28	20.21	1.93	1.61	1.65
750	3.56	3.48	0.08	2.41	20.64	1.90	1.63	1.67
800	3.56	3.50	0.06	2.57	21.22	1.84	1.65	1.68
850	3.58	3.52	0.06	2.83	21.91	1.81	1.66	1.70
900	3.59	3.54	0.05	3.09	22.48	1.79	1.66	1.72
950	3.61	3.55	0.06	3.32	22.71	1.78	1.66	1.73
1000	3.63	3.54	0.09	3.46	22.77	1.78	1.65	1.69
1050	3.63	3.53	0.10	3.61	22.40	1.77	1.64	1.66
1100	3.63	3.52	0.11	3.77	21.97	1.81	1.62	1.65
1150	3.62	3.50	0.12	3.95	21.50	1.85	1.60	1.63
1200	3.60	3.46	0.14	4.18	20.73	1.85	1.57	1.57
1250	3.58	3.42	0.16	4.31	20.00	1.86	1.54	1.52
1300	3.56	3.37	0.19	4.40	19.36	1.87	1.51	1.49
1350	3.51	3.31	0.20	4.46	18.62	1.87	1.49	1.46
1400	3.45	3.25	0.21	4.51	18.06	1.85	1.47	1.42
1450	3.40	3.18	0.22	4.74	17.89	1.78	1.45	1.38
1500	3.34	3.13	0.21	4.82	18.00	1.67	1.43	1.39
1550	3.29	3.07	0.22	4.84	18.35	1.59	1.42	1.40
1600	3.23	3.03	0.20	5.01	18.94	1.52	1.41	1.38
1650	3.20	3.00	0.20	5.17	19.61	1.39	1.41	1.41
1700	3.23	3.01	0.22	5.33	20.63	1.25	1.42	1.46
1750	3.28	3.05	0.23	5.59	22.54	1.18	1.43	1.49
1800	3.35	3.08	0.26	5.60	23.90	1.08	1.42	1.46
1850	3.39	3.09	0.30	6.02	23.56	1.05	1.40	1.47
1900	3.48	3.13	0.35	6.47	21.44	1.10	1.38	1.53
1950	3.54	3.13	0.41	6.39	18.68	1.19	1.35	1.51
2000	3.55	3.14	0.41	6.20	16.48	1.30	1.32	1.43
2050	3.54	3.15	0.39	6.41	14.80	1.32	1.29	1.37
2100	3.48	3.11	0.37	6.70	13.27	1.40	1.26	1.24
2200	3.50	3.06	0.44	6.92	10.80	1.48	1.20	1.11
2300	3.93	3.47	0.46	6.70	9.46	1.58	1.16	1.23
2400	4.69	4.31	0.38	6.89	9.02	1.83	1.14	1.44
2500	5.87	5.33	0.55	6.75	9.94	2.37	1.17	1.35
2600	6.05	5.57	0.48	6.78	10.14	3.28	1.38	1.74
2700	6.97	6.22	0.75	5.47	8.13	7.10	1.44	1.89
2800	7.85	7.02	0.83	4.27	6.58	31.94	1.40	1.80
2900	8.39	7.54	0.85	5.35	4.97	50.34	1.32	1.49
3000	8.85	7.88	0.97	4.74	3.71	26.74	1.25	1.16

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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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
5	3.53	3.53	0.00	0.02	13.01	1.98	1.27	1.27
10	3.53	3.54	0.01	0.01	13.12	1.98	1.27	1.27
20	3.54	3.54	0.00	0.02	13.19	1.99	1.27	1.26
50	3.55	3.56	0.01	0.02	13.24	2.03	1.27	1.24
100	3.57	3.57	0.00	0.04	13.44	1.99	1.27	1.27
150	3.59	3.59	0.00	0.09	13.65	1.96	1.28	1.29
200	3.60	3.60	0.00	0.11	13.84	1.97	1.30	1.30
250	3.62	3.62	0.00	0.17	14.06	1.93	1.32	1.33
300	3.63	3.63	0.00	0.24	14.25	1.94	1.34	1.34
350	3.64	3.64	0.00	0.28	14.46	1.92	1.35	1.35
400	3.65	3.65	0.00	0.31	14.69	1.90	1.37	1.37
450	3.66	3.65	0.01	0.37	14.92	1.90	1.37	1.37
500	3.66	3.66	0.00	0.42	15.14	1.89	1.38	1.38
550	3.67	3.66	0.01	0.42	15.42	1.89	1.38	1.39
600	3.68	3.66	0.02	0.45	15.74	1.89	1.38	1.39
650	3.69	3.67	0.02	0.44	16.08	1.88	1.38	1.39
700	3.70	3.68	0.02	0.41	16.47	1.88	1.38	1.39
750	3.70	3.69	0.01	0.44	16.92	1.88	1.38	1.39
800	3.72	3.71	0.01	0.46	17.49	1.87	1.38	1.39
850	3.75	3.74	0.01	0.53	18.15	1.86	1.38	1.39
900	3.78	3.76	0.02	0.62	18.74	1.84	1.38	1.40
950	3.81	3.80	0.01	0.69	19.20	1.81	1.39	1.40
1000	3.84	3.81	0.03	0.66	19.76	1.78	1.40	1.41
1050	3.86	3.82	0.04	0.69	20.23	1.75	1.41	1.42
1100	3.87	3.83	0.04	0.69	20.59	1.71	1.42	1.43
1150	3.87	3.83	0.04	0.74	20.84	1.67	1.44	1.44
1200	3.87	3.83	0.05	0.80	20.68	1.63	1.45	1.46
1250	3.88	3.81	0.06	0.79	20.29	1.60	1.46	1.47
1300	3.87	3.78	0.09	0.77	19.89	1.56	1.46	1.47
1350	3.82	3.74	0.09	0.64	19.35	1.53	1.46	1.47
1400	3.78	3.70	0.08	0.49	18.87	1.51	1.46	1.46
1450	3.73	3.64	0.09	0.48	18.75	1.49	1.45	1.45
1500	3.69	3.61	0.08	0.43	18.84	1.48	1.43	1.43
1550	3.65	3.57	0.08	0.40	18.99	1.46	1.41	1.41
1600	3.62	3.53	0.09	0.41	19.32	1.44	1.38	1.38
1650	3.61	3.53	0.09	0.43	19.78	1.43	1.34	1.35
1700	3.64	3.53	0.11	0.47	20.71	1.40	1.30	1.31
1750	3.66	3.54	0.12	0.52	22.76	1.37	1.26	1.27
1800	3.70	3.55	0.15	0.41	24.90	1.32	1.22	1.23
1850	3.75	3.57	0.19	0.42	27.30	1.26	1.17	1.19
1900	3.83	3.62	0.21	0.45	28.97	1.19	1.13	1.15
1950	3.91	3.68	0.23	0.33	26.51	1.12	1.11	1.13
2000	3.96	3.71	0.25	0.24	23.35	1.05	1.11	1.11
2050	3.98	3.74	0.24	0.20	20.81	1.05	1.14	1.11
2100	3.96	3.73	0.23	0.09	18.60	1.14	1.17	1.12
2200	3.92	3.67	0.25	0.13	15.13	1.39	1.23	1.14
2300	4.05	3.77	0.28	0.56	13.26	1.73	1.26	1.14
2400	4.41	4.20	0.21	1.28	12.32	2.12	1.26	1.12
2500	5.26	4.99	0.27	1.94	12.27	2.55	1.24	1.12
2600	6.39	5.97	0.42	3.00	11.48	3.02	1.24	1.21
2700	7.48	6.85	0.64	4.47	9.92	3.71	1.30	1.37
2800	8.47	7.69	0.78	5.19	8.35	4.49	1.37	1.55
2900	9.20	8.09	1.11	5.21	6.63	5.32	1.43	1.70
3000	9.66	8.42	1.24	5.62	5.28	6.68	1.41	1.78

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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