

4 Way-0° Power Splitter/Combiner

ADP-ED7705/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)				
	S-1	S-2	S-3	S-4		1-2	1-3	1-4	3-4			S	1	2	3	4
0.2	6.91	6.85	6.90	6.91	0.06	22.17	38.68	40.62	24.68	0.29	0.2	1.62	1.96	1.96	1.93	1.90
0.3	6.79	6.79	6.80	6.80	0.01	24.20	40.61	42.56	26.55	0.22	0.3	1.51	1.78	1.78	1.76	1.73
0.5	6.71	6.73	6.72	6.71	0.02	26.32	43.06	45.00	28.47	0.08	0.5	1.33	1.51	1.50	1.49	1.47
0.7	6.65	6.67	6.66	6.66	0.02	27.47	44.90	46.78	29.56	0.06	0.7	1.23	1.35	1.35	1.34	1.32
1.0	6.59	6.59	6.59	6.59	0.01	28.61	46.82	48.55	30.70	0.02	1.0	1.20	1.31	1.31	1.30	1.28
3.0	6.41	6.45	6.42	6.42	0.04	32.39	52.80	54.11	33.87	0.03	3.0	1.14	1.20	1.20	1.19	1.18
5.0	6.38	6.42	6.38	6.38	0.04	33.63	54.15	54.27	34.52	0.05	5.0	1.10	1.15	1.15	1.15	1.13
7.0	6.38	6.42	6.38	6.38	0.04	34.11	53.64	53.01	34.61	0.07	7.0	1.09	1.13	1.13	1.13	1.12
9.0	6.37	6.42	6.37	6.37	0.05	34.35	52.09	51.51	34.63	0.08	9.0	1.08	1.12	1.12	1.12	1.10
10.0	6.38	6.42	6.38	6.38	0.04	34.41	51.62	50.79	34.60	0.09	10.0	1.08	1.12	1.12	1.11	1.10
40.0	6.42	6.47	6.43	6.43	0.04	33.14	40.57	40.18	32.89	0.28	40.0	1.08	1.11	1.11	1.11	1.09
70.0	6.47	6.50	6.46	6.46	0.04	31.60	36.15	35.76	31.47	0.52	70.0	1.09	1.10	1.11	1.11	1.09
100.0	6.49	6.53	6.49	6.49	0.04	30.28	33.28	32.91	30.23	0.71	100.0	1.11	1.10	1.10	1.11	1.09
150.0	6.58	6.61	6.56	6.56	0.05	28.63	30.21	29.87	28.64	1.04	150.0	1.12	1.09	1.10	1.10	1.08
200.0	6.65	6.68	6.62	6.62	0.05	27.48	28.12	27.78	27.52	1.47	200.0	1.14	1.07	1.08	1.09	1.07
250.0	6.68	6.71	6.63	6.62	0.09	26.98	26.73	26.41	27.02	1.66	250.0	1.14	1.05	1.07	1.09	1.06
300.0	6.76	6.80	6.71	6.70	0.10	27.10	25.83	25.49	27.23	1.99	300.0	1.13	1.04	1.06	1.09	1.06
350.0	6.81	6.83	6.70	6.68	0.15	28.13	25.41	25.05	28.36	2.08	350.0	1.09	1.04	1.06	1.09	1.06
400.0	6.84	6.90	6.73	6.68	0.21	30.62	25.41	24.98	30.49	2.21	400.0	1.05	1.07	1.08	1.12	1.09
450.0	6.95	6.98	6.76	6.73	0.26	36.71	25.89	25.33	31.30	2.54	450.0	1.05	1.11	1.11	1.16	1.12
500.0	7.08	7.15	6.83	6.77	0.38	39.78	26.85	25.83	27.20	3.34	500.0	1.13	1.14	1.15	1.21	1.17
520.0	7.16	7.23	6.88	6.81	0.43	34.49	27.39	26.00	25.24	3.43	520.0	1.17	1.16	1.17	1.23	1.18
540.0	7.22	7.26	6.89	6.83	0.43	30.65	27.90	26.00	23.37	3.79	540.0	1.27	1.18	1.20	1.27	1.21
560.0	7.31	7.36	6.94	6.87	0.49	27.83	28.51	25.83	21.74	4.27	560.0	1.35	1.21	1.23	1.30	1.24
580.0	7.42	7.50	7.02	6.92	0.58	25.60	29.19	25.46	20.29	4.60	580.0	1.43	1.24	1.27	1.34	1.28
600.0	7.56	7.65	7.11	7.00	0.65	23.78	29.85	24.84	19.00	5.02	600.0	1.55	1.26	1.31	1.39	1.31
620.0	7.75	7.83	7.19	7.09	0.73	22.21	30.31	23.98	17.85	5.38	620.0	1.59	1.26	1.32	1.40	1.32
640.0	7.87	7.95	7.25	7.15	0.80	20.82	30.37	22.87	16.80	5.88	640.0	1.73	1.29	1.35	1.44	1.35

¹ Total Loss = Insertion Loss + 6dB Splitter Loss