

2 Way-90° Power Splitter/Combiner

ADPQ-ED7908/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
40.0	4.32	2.11	3.22	2.22	33.67	89.94	40.0	1.02	1.02	1.01
41.0	4.22	2.17	3.20	2.05	33.62	89.97	41.0	1.02	1.02	1.02
42.0	4.13	2.24	3.19	1.89	33.56	89.97	42.0	1.02	1.02	1.02
43.0	4.03	2.30	3.17	1.73	33.50	89.97	43.0	1.02	1.02	1.02
44.0	3.94	2.36	3.15	1.58	33.45	90.01	44.0	1.02	1.02	1.02
45.0	3.86	2.43	3.15	1.43	33.40	89.99	45.0	1.02	1.02	1.02
46.0	3.78	2.49	3.14	1.29	33.34	90.01	46.0	1.02	1.02	1.02
47.0	3.70	2.55	3.13	1.15	33.31	89.99	47.0	1.02	1.02	1.02
48.0	3.63	2.61	3.12	1.02	33.26	90.02	48.0	1.02	1.02	1.02
49.0	3.56	2.67	3.12	0.90	33.19	90.01	49.0	1.02	1.02	1.02
50.0	3.49	2.71	3.10	0.78	33.14	90.05	50.0	1.02	1.03	1.02
52.5	3.35	2.85	3.10	0.50	32.99	90.07	52.5	1.02	1.03	1.02
55.0	3.23	2.97	3.10	0.25	32.83	90.06	55.0	1.03	1.03	1.02
57.5	3.12	3.09	3.11	0.03	32.65	90.11	57.5	1.03	1.03	1.03
60.0	3.02	3.18	3.10	0.16	32.43	90.16	60.0	1.03	1.04	1.03
62.5	2.95	3.27	3.11	0.32	32.19	90.17	62.5	1.03	1.04	1.03
65.0	2.89	3.35	3.12	0.47	31.92	90.19	65.0	1.04	1.04	1.03
67.5	2.84	3.42	3.13	0.57	31.59	90.28	67.5	1.04	1.04	1.03
70.0	2.80	3.46	3.13	0.66	31.27	90.32	70.0	1.04	1.05	1.04
72.5	2.78	3.51	3.15	0.73	30.90	90.38	72.5	1.04	1.05	1.04
75.0	2.77	3.54	3.16	0.76	30.49	90.49	75.0	1.05	1.06	1.04
77.5	2.78	3.55	3.17	0.77	30.08	90.52	77.5	1.05	1.06	1.04
80.0	2.79	3.55	3.17	0.76	29.61	90.62	80.0	1.05	1.07	1.05
82.5	2.82	3.53	3.18	0.71	29.12	90.73	82.5	1.06	1.07	1.05
85.0	2.87	3.51	3.19	0.64	28.61	90.90	85.0	1.06	1.08	1.05
87.5	2.93	3.45	3.19	0.52	28.07	90.95	87.5	1.07	1.08	1.06
90.0	3.01	3.40	3.21	0.39	27.52	91.16	90.0	1.07	1.09	1.06
92.5	3.11	3.32	3.22	0.21	26.94	91.30	92.5	1.08	1.10	1.07
95.0	3.23	3.22	3.23	0.01	26.35	91.53	95.0	1.09	1.11	1.07
97.5	3.38	3.12	3.25	0.26	25.73	91.79	97.5	1.09	1.11	1.08
100.0	3.57	2.99	3.28	0.58	25.11	92.10	100.0	1.10	1.12	1.09
102.0	3.74	2.89	3.32	0.85	24.57	92.33	102.0	1.11	1.13	1.09
104.0	3.94	2.77	3.36	1.17	24.05	92.58	104.0	1.11	1.14	1.10
106.0	4.17	2.64	3.41	1.53	23.52	92.98	106.0	1.12	1.15	1.11
108.0	4.44	2.50	3.47	1.94	22.98	93.37	108.0	1.13	1.17	1.11
110.0	4.76	2.36	3.56	2.40	22.43	93.85	110.0	1.14	1.18	1.12

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

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