

2 Way-90° Power Splitter/Combiner ADPQ-ED12602/1

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	AVG.					S	1	2
10.0	0.05	22.71	11.38	22.66	45.51	89.79	10.00	1.01	1.01	1.01
20.0	0.13	16.77	8.45	16.64	39.42	89.82	20.00	1.01	1.01	1.01
30.0	0.26	13.37	6.82	13.11	35.96	89.78	30.00	1.01	1.01	1.02
40.0	0.42	11.03	5.73	10.61	33.55	89.68	40.00	1.01	1.01	1.02
50.0	0.63	9.30	4.97	8.67	31.73	89.59	50.00	1.01	1.01	1.03
60.0	0.86	7.95	4.41	7.09	30.25	89.50	60.00	1.02	1.02	1.03
70.0	1.12	6.88	4.00	5.76	29.02	89.41	70.00	1.02	1.02	1.04
80.0	1.40	6.01	3.71	4.61	28.00	89.31	80.00	1.03	1.03	1.05
90.0	1.69	5.29	3.49	3.60	27.13	89.24	90.00	1.04	1.04	1.06
100.0	1.99	4.69	3.34	2.70	26.40	89.16	100.00	1.05	1.05	1.06
120.0	2.62	3.77	3.20	1.15	25.26	89.04	120.00	1.07	1.07	1.08
122.0	2.69	3.70	3.20	1.01	25.16	89.03	122.00	1.07	1.07	1.08
124.0	2.75	3.62	3.19	0.87	25.05	89.02	124.00	1.07	1.07	1.09
126.0	2.82	3.55	3.19	0.73	24.95	89.01	126.00	1.08	1.07	1.09
128.0	2.88	3.48	3.18	0.60	24.86	89.00	128.00	1.08	1.08	1.09
130.0	2.94	3.41	3.18	0.47	24.75	88.98	130.00	1.08	1.08	1.09
132.0	3.01	3.35	3.18	0.34	24.66	88.96	132.00	1.08	1.08	1.10
134.0	3.07	3.28	3.18	0.21	24.56	88.95	134.00	1.09	1.08	1.10
136.0	3.13	3.22	3.18	0.09	24.47	88.94	136.00	1.09	1.09	1.10
138.0	3.20	3.16	3.18	0.03	24.38	88.93	138.00	1.09	1.09	1.10
140.0	3.26	3.11	3.19	0.15	24.29	88.91	140.00	1.09	1.09	1.10
142.0	3.32	3.05	3.19	0.27	24.20	88.90	142.00	1.09	1.09	1.11
144.0	3.38	3.00	3.19	0.39	24.12	88.89	144.00	1.10	1.09	1.11
146.0	3.45	2.94	3.20	0.50	24.04	88.88	146.00	1.10	1.10	1.11
148.0	3.51	2.89	3.20	0.62	23.95	88.87	148.00	1.10	1.10	1.11
150.0	3.57	2.84	3.21	0.73	23.87	88.86	150.00	1.10	1.10	1.12
152.0	3.63	2.79	3.21	0.84	23.79	88.85	152.00	1.11	1.10	1.12
154.0	3.70	2.75	3.23	0.95	23.72	88.84	154.00	1.11	1.11	1.12
156.0	3.76	2.70	3.23	1.05	23.65	88.82	156.00	1.11	1.11	1.12
158.0	3.82	2.66	3.24	1.16	23.57	88.82	158.00	1.11	1.11	1.12
160.0	3.88	2.61	3.25	1.26	23.50	88.80	160.00	1.12	1.11	1.13
194.0	4.88	2.05	3.47	2.83	22.43	88.69	194.00	1.16	1.16	1.17
228.0	5.78	1.70	3.74	4.09	21.47	88.71	228.00	1.21	1.21	1.22
262.0	6.58	1.47	4.03	5.11	20.50	88.87	262.00	1.26	1.26	1.27
296.0	7.26	1.35	4.31	5.91	19.49	89.27	296.00	1.32	1.32	1.33
330.0	7.82	1.30	4.56	6.51	18.39	89.99	330.00	1.39	1.39	1.39
364.0	8.23	1.33	4.78	6.90	17.16	91.22	364.00	1.47	1.47	1.47
398.0	8.47	1.44	4.96	7.03	15.72	93.26	398.00	1.57	1.57	1.57
432.0	8.50	1.68	5.09	6.82	14.04	96.73	432.00	1.70	1.71	1.70

¹ Total Loss = Insertion Loss + 3dB Splitter Loss