

2 Way-90° Power Splitter/Combiner

ADQ-ED12470/1

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
50.0	1.01	7.55	4.28	6.54	29.51	90.37	50.0	1.16	1.16	1.16
60.0	1.33	6.45	3.89	5.12	27.55	90.45	60.0	1.17	1.17	1.18
70.0	1.65	5.62	3.64	3.97	25.99	90.54	70.0	1.18	1.19	1.19
80.0	1.97	4.99	3.48	3.02	24.72	90.63	80.0	1.19	1.20	1.20
90.0	2.27	4.50	3.39	2.23	23.70	90.75	90.0	1.20	1.21	1.21
100.0	2.55	4.12	3.34	1.57	22.86	90.89	100.0	1.20	1.21	1.21
104.0	2.65	3.99	3.32	1.34	22.56	90.93	104.0	1.20	1.22	1.22
106.0	2.70	3.93	3.32	1.23	22.43	90.97	106.0	1.20	1.22	1.22
108.0	2.75	3.87	3.31	1.12	22.29	90.99	108.0	1.20	1.22	1.22
110.0	2.80	3.82	3.31	1.02	22.15	91.02	110.0	1.20	1.22	1.22
115.0	2.92	3.69	3.31	0.77	21.86	91.09	115.0	1.20	1.22	1.22
120.0	3.03	3.58	3.31	0.55	21.58	91.15	120.0	1.20	1.22	1.23
140.0	3.40	3.26	3.33	0.14	20.67	91.41	140.0	1.21	1.23	1.23
160.0	3.67	3.07	3.37	0.60	20.12	91.68	160.0	1.21	1.24	1.24
180.0	3.84	2.98	3.41	0.87	19.90	91.94	180.0	1.20	1.25	1.25
200.0	3.92	2.95	3.44	0.98	19.96	92.15	200.0	1.19	1.25	1.25
220.0	3.93	2.97	3.45	0.95	20.34	92.31	220.0	1.18	1.25	1.25
240.0	3.86	3.04	3.45	0.82	21.04	92.47	240.0	1.17	1.24	1.24
260.0	3.75	3.16	3.46	0.59	22.28	92.56	260.0	1.15	1.22	1.23
280.0	3.59	3.32	3.46	0.27	24.27	92.65	280.0	1.12	1.20	1.22
300.0	3.39	3.53	3.46	0.14	27.41	92.73	300.0	1.08	1.16	1.19
320.0	3.18	3.81	3.50	0.63	30.93	92.86	320.0	1.05	1.12	1.17
321.0	3.17	3.83	3.50	0.66	30.99	92.87	321.0	1.05	1.12	1.17
323.0	3.14	3.86	3.50	0.71	31.06	92.88	323.0	1.05	1.12	1.17
325.0	3.12	3.89	3.51	0.77	31.02	92.91	325.0	1.05	1.11	1.17
327.0	3.10	3.92	3.51	0.82	30.90	92.93	327.0	1.05	1.11	1.17
329.0	3.08	3.96	3.52	0.88	30.66	92.95	329.0	1.05	1.10	1.17
340.0	2.95	4.16	3.56	1.21	28.27	93.11	340.0	1.07	1.08	1.17
360.0	2.73	4.60	3.67	1.87	23.28	93.54	360.0	1.14	1.08	1.19
380.0	2.54	5.16	3.85	2.62	19.53	94.34	380.0	1.24	1.15	1.25
400.0	2.40	5.84	4.12	3.44	16.76	95.67	400.0	1.37	1.26	1.36
420.0	2.33	6.67	4.50	4.34	14.69	97.72	420.0	1.54	1.40	1.50
440.0	2.34	7.63	4.99	5.28	13.14	100.82	440.0	1.75	1.58	1.69
460.0	2.45	8.68	5.57	6.23	12.00	105.23	460.0	2.00	1.80	1.93
480.0	2.65	9.75	6.20	7.10	11.21	111.22	480.0	2.30	2.05	2.22
500.0	2.94	10.73	6.84	7.80	10.72	118.69	500.0	2.66	2.35	2.56
520.0	3.31	11.51	7.41	8.21	10.47	127.23	520.0	3.06	2.70	2.95
540.0	3.74	12.03	7.89	8.29	10.41	136.07	540.0	3.52	3.08	3.40
560.0	4.24	12.30	8.27	8.06	10.48	144.35	560.0	4.04	3.50	3.91
580.0	4.78	12.38	8.58	7.60	10.67	151.65	580.0	4.62	3.97	4.47
600.0	5.36	12.37	8.87	7.01	10.91	157.70	600.0	5.26	4.48	5.10

¹ Total Loss = Insertion Loss + 3dB Splitter Loss