

2 Way-90° Power Splitter/Combiner

ADQ-ED12470/4

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
50.0	0.98	7.70	4.34	6.72	30.30	90.53	50.0	1.15	1.15	1.15
60.0	1.29	6.58	3.94	5.29	28.04	90.63	60.0	1.17	1.17	1.16
70.0	1.60	5.73	3.67	4.12	26.32	90.74	70.0	1.18	1.18	1.18
80.0	1.92	5.08	3.50	3.16	24.96	90.85	80.0	1.19	1.19	1.19
90.0	2.21	4.58	3.40	2.36	23.83	90.97	90.0	1.19	1.20	1.19
100.0	2.49	4.18	3.34	1.69	22.86	91.10	100.0	1.20	1.21	1.20
104.0	2.59	4.05	3.32	1.46	22.53	91.15	104.0	1.20	1.21	1.20
106.0	2.65	3.99	3.32	1.35	22.37	91.18	106.0	1.20	1.21	1.21
108.0	2.70	3.93	3.32	1.24	22.22	91.20	108.0	1.20	1.21	1.21
110.0	2.75	3.88	3.32	1.13	22.08	91.22	110.0	1.20	1.21	1.21
115.0	2.86	3.75	3.31	0.89	21.74	91.30	115.0	1.21	1.22	1.21
120.0	2.98	3.64	3.31	0.66	21.44	91.36	120.0	1.21	1.22	1.21
140.0	3.36	3.30	3.33	0.06	20.52	91.63	140.0	1.22	1.23	1.22
160.0	3.63	3.09	3.36	0.53	19.93	91.91	160.0	1.22	1.24	1.22
180.0	3.81	2.98	3.40	0.82	19.64	92.16	180.0	1.22	1.24	1.23
200.0	3.90	2.94	3.42	0.95	19.63	92.39	200.0	1.22	1.24	1.23
220.0	3.91	2.96	3.44	0.95	19.92	92.58	220.0	1.21	1.24	1.22
240.0	3.85	3.02	3.44	0.84	20.60	92.73	240.0	1.19	1.22	1.21
260.0	3.74	3.12	3.43	0.62	21.77	92.86	260.0	1.17	1.20	1.19
280.0	3.58	3.28	3.43	0.30	23.70	92.98	280.0	1.14	1.17	1.17
300.0	3.38	3.49	3.44	0.11	26.68	93.12	300.0	1.11	1.12	1.14
320.0	3.15	3.77	3.46	0.62	29.50	93.38	320.0	1.07	1.07	1.11
321.0	3.14	3.79	3.47	0.65	29.52	93.40	321.0	1.07	1.07	1.11
323.0	3.12	3.82	3.47	0.70	29.51	93.43	323.0	1.07	1.06	1.11
325.0	3.09	3.85	3.47	0.76	29.41	93.47	325.0	1.07	1.05	1.11
327.0	3.07	3.89	3.48	0.82	29.22	93.51	327.0	1.07	1.05	1.11
329.0	3.05	3.92	3.49	0.88	28.98	93.55	329.0	1.07	1.04	1.11
340.0	2.92	4.14	3.53	1.22	26.69	93.84	340.0	1.08	1.02	1.11
360.0	2.70	4.62	3.66	1.92	22.09	94.64	360.0	1.16	1.10	1.17
380.0	2.52	5.24	3.88	2.72	18.53	95.96	380.0	1.27	1.22	1.26
400.0	2.40	6.00	4.20	3.60	15.89	98.08	400.0	1.43	1.37	1.41
420.0	2.37	6.91	4.64	4.54	13.93	101.30	420.0	1.63	1.56	1.59
440.0	2.45	7.93	5.19	5.47	12.51	105.93	440.0	1.89	1.80	1.83
460.0	2.65	8.97	5.81	6.32	11.53	112.12	460.0	2.20	2.09	2.11
480.0	2.94	9.92	6.43	6.98	10.91	119.73	480.0	2.56	2.43	2.45
500.0	3.33	10.68	7.01	7.35	10.59	128.23	500.0	2.98	2.81	2.84
520.0	3.79	11.18	7.49	7.39	10.48	136.75	520.0	3.46	3.24	3.28
540.0	4.31	11.46	7.89	7.15	10.53	144.47	540.0	3.99	3.71	3.78
560.0	4.86	11.59	8.23	6.73	10.68	150.96	560.0	4.58	4.22	4.34
580.0	5.45	11.67	8.56	6.21	10.89	156.21	580.0	5.23	4.76	4.95
600.0	6.07	11.75	8.91	5.68	11.13	160.42	600.0	5.92	5.34	5.61

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2
ADQ-ED12470/4
100707
Page 1 of 1