

2 Way-90° Power Splitter/Combiner

ADQ-ED12533/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-2	AVG.					S	1	2
60.0	0.85	8.16	4.51	7.31	36.09	89.57	60.0	1.03	1.04	1.03
70.0	1.08	7.14	4.11	6.07	34.55	89.58	70.0	1.03	1.04	1.03
80.0	1.31	6.33	3.82	5.01	33.43	89.60	80.0	1.04	1.04	1.03
100.0	1.79	5.12	3.46	3.34	31.65	89.61	100.0	1.04	1.05	1.04
110.0	2.02	4.68	3.35	2.66	30.89	89.62	110.0	1.05	1.05	1.04
120.0	2.25	4.32	3.29	2.07	30.14	89.63	120.0	1.05	1.05	1.05
125.0	2.35	4.16	3.26	1.81	29.79	89.65	125.0	1.05	1.05	1.05
130.0	2.45	4.02	3.24	1.57	29.50	89.64	130.0	1.05	1.05	1.05
135.0	2.55	3.89	3.22	1.34	29.23	89.65	135.0	1.06	1.06	1.06
139.0	2.63	3.80	3.22	1.17	29.05	89.65	139.0	1.06	1.06	1.06
140.0	2.65	3.78	3.22	1.13	29.01	89.66	140.0	1.06	1.06	1.06
142.0	2.68	3.73	3.21	1.05	28.90	89.66	142.0	1.06	1.06	1.06
144.0	2.72	3.69	3.21	0.97	28.82	89.66	144.0	1.06	1.06	1.06
146.0	2.75	3.65	3.20	0.90	28.73	89.67	146.0	1.07	1.06	1.06
148.0	2.79	3.61	3.20	0.83	28.63	89.67	148.0	1.07	1.06	1.06
150.0	2.82	3.58	3.20	0.76	28.53	89.67	150.0	1.07	1.06	1.07
154.0	2.88	3.51	3.20	0.62	28.33	89.68	154.0	1.07	1.06	1.07
158.0	2.94	3.45	3.20	0.50	28.15	89.69	158.0	1.07	1.06	1.07
160.0	2.97	3.42	3.20	0.44	28.04	89.70	160.0	1.07	1.06	1.07
170.0	3.10	3.29	3.20	0.19	27.59	89.73	170.0	1.08	1.07	1.08
180.0	3.21	3.20	3.21	0.01	27.17	89.75	180.0	1.09	1.07	1.09
190.0	3.29	3.14	3.22	0.15	26.81	89.78	190.0	1.09	1.07	1.09
200.0	3.35	3.10	3.23	0.24	26.46	89.80	200.0	1.10	1.08	1.10
210.0	3.37	3.10	3.24	0.27	26.13	89.83	210.0	1.11	1.08	1.10
220.0	3.38	3.13	3.26	0.25	25.77	89.87	220.0	1.11	1.08	1.11
230.0	3.34	3.18	3.26	0.16	25.41	89.92	230.0	1.12	1.08	1.12
240.0	3.28	3.27	3.28	0.01	25.06	89.98	240.0	1.12	1.09	1.12
250.0	3.18	3.40	3.29	0.22	24.73	90.06	250.0	1.12	1.09	1.12
260.0	3.06	3.59	3.33	0.52	24.40	90.13	260.0	1.13	1.09	1.12
262.0	3.04	3.63	3.34	0.60	24.35	90.14	262.0	1.13	1.09	1.12
264.0	3.01	3.68	3.35	0.67	24.29	90.16	264.0	1.13	1.09	1.12
266.0	2.97	3.72	3.35	0.75	24.23	90.18	266.0	1.13	1.09	1.12
268.0	2.94	3.77	3.36	0.83	24.17	90.20	268.0	1.13	1.08	1.12
269.0	2.92	3.80	3.36	0.88	24.14	90.21	269.0	1.13	1.08	1.12
270.0	2.91	3.83	3.37	0.92	24.12	90.22	270.0	1.13	1.08	1.12
280.0	2.71	4.13	3.42	1.42	23.84	90.31	280.0	1.12	1.08	1.12
290.0	2.48	4.54	3.51	2.06	23.66	90.41	290.0	1.11	1.07	1.11
300.0	2.22	5.08	3.65	2.86	23.56	90.53	300.0	1.10	1.06	1.10
310.0	1.94	5.82	3.88	3.88	23.64	90.68	310.0	1.08	1.04	1.08
320.0	1.64	6.83	4.24	5.19	23.97	90.92	320.0	1.06	1.02	1.06
330.0	1.34	8.28	4.81	6.94	24.68	91.32	330.0	1.02	1.01	1.03

¹ Total Loss = Insertion Loss + 3dB Splitter Loss