

2 Way-90° Power Splitter/Combiner

ADQ-ED12461/1

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
120.0	1.94	5.00	3.47	3.06	20.57	88.46	120.0	1.24	1.24	1.26
130.0	2.15	4.64	3.40	2.50	20.43	88.50	130.0	1.24	1.24	1.26
140.0	2.34	4.34	3.34	2.00	20.37	88.54	140.0	1.24	1.24	1.26
150.0	2.52	4.07	3.30	1.55	20.35	88.59	150.0	1.23	1.24	1.26
160.0	2.70	3.85	3.28	1.15	20.36	88.66	160.0	1.23	1.23	1.25
170.0	2.86	3.65	3.26	0.80	20.38	88.75	170.0	1.22	1.23	1.25
180.0	3.01	3.49	3.25	0.48	20.45	88.84	180.0	1.22	1.22	1.24
190.0	3.14	3.35	3.25	0.21	20.53	88.94	190.0	1.21	1.21	1.24
200.0	3.26	3.23	3.25	0.02	20.63	89.05	200.0	1.20	1.20	1.23
210.0	3.36	3.14	3.25	0.22	20.75	89.17	210.0	1.20	1.20	1.22
220.0	3.45	3.07	3.26	0.38	20.89	89.29	220.0	1.19	1.19	1.21
230.0	3.52	3.01	3.27	0.51	21.03	89.42	230.0	1.19	1.18	1.21
235.0	3.55	2.99	3.27	0.56	21.10	89.49	235.0	1.18	1.18	1.20
240.0	3.57	2.97	3.27	0.60	21.19	89.57	240.0	1.18	1.18	1.20
245.0	3.59	2.95	3.27	0.63	21.29	89.64	245.0	1.18	1.18	1.20
250.0	3.60	2.95	3.28	0.66	21.39	89.73	250.0	1.17	1.17	1.19
255.0	3.61	2.94	3.28	0.67	21.51	89.81	255.0	1.17	1.17	1.19
260.0	3.62	2.95	3.29	0.67	21.62	89.91	260.0	1.17	1.17	1.19
265.0	3.62	2.95	3.29	0.67	21.75	90.00	265.0	1.16	1.16	1.18
270.0	3.62	2.96	3.29	0.65	21.89	90.11	270.0	1.16	1.16	1.18
275.0	3.60	2.98	3.29	0.63	22.05	90.21	275.0	1.16	1.16	1.18
280.0	3.59	3.00	3.30	0.59	22.21	90.33	280.0	1.15	1.15	1.17
285.0	3.56	3.02	3.29	0.54	22.40	90.46	285.0	1.15	1.15	1.17
290.0	3.53	3.05	3.29	0.48	22.60	90.58	290.0	1.15	1.15	1.17
295.0	3.50	3.09	3.30	0.40	22.80	90.72	295.0	1.14	1.14	1.16
300.0	3.46	3.14	3.30	0.32	23.02	90.88	300.0	1.14	1.14	1.16
305.0	3.42	3.20	3.31	0.22	23.24	91.04	305.0	1.13	1.13	1.16
310.0	3.37	3.26	3.32	0.10	23.45	91.24	310.0	1.13	1.13	1.15
315.0	3.31	3.34	3.33	0.03	23.68	91.43	315.0	1.12	1.13	1.14
320.0	3.25	3.42	3.34	0.18	23.87	91.66	320.0	1.12	1.12	1.14
327.0	3.15	3.56	3.36	0.41	24.12	92.01	327.0	1.11	1.12	1.13
330.0	3.10	3.63	3.37	0.53	24.20	92.18	330.0	1.11	1.11	1.13
340.0	2.93	3.89	3.41	0.96	24.22	92.86	340.0	1.09	1.11	1.11
345.0	2.83	4.05	3.44	1.22	24.04	93.28	345.0	1.09	1.11	1.10
350.0	2.73	4.23	3.48	1.50	23.70	93.77	350.0	1.08	1.11	1.09
355.0	2.63	4.44	3.54	1.81	23.19	94.34	355.0	1.07	1.11	1.08
360.0	2.53	4.68	3.61	2.15	22.51	95.03	360.0	1.07	1.11	1.06
365.0	2.43	4.96	3.70	2.53	21.68	95.83	365.0	1.07	1.12	1.05
370.0	2.32	5.28	3.80	2.96	20.74	96.82	370.0	1.07	1.14	1.05
375.0	2.22	5.64	3.93	3.42	19.74	98.02	375.0	1.08	1.16	1.05
380.0	2.13	6.06	4.10	3.93	18.69	99.50	380.0	1.10	1.18	1.06

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

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