

2 Way-90° Power Splitter/Combiner

ADPQ-ED11965

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
200.0	0.97	7.59	4.28	6.63	35.19	89.58	200.0	1.07	1.08	1.08
218.0	1.12	7.01	4.07	5.89	33.99	89.58	218.0	1.08	1.08	1.09
236.0	1.27	6.48	3.88	5.21	32.97	89.56	236.0	1.08	1.08	1.09
254.0	1.43	6.01	3.72	4.58	32.03	89.56	254.0	1.09	1.09	1.10
272.0	1.60	5.59	3.60	4.00	31.18	89.57	272.0	1.10	1.09	1.10
290.0	1.76	5.21	3.49	3.45	30.35	89.58	290.0	1.10	1.10	1.10
308.0	1.93	4.87	3.40	2.94	29.55	89.56	308.0	1.10	1.10	1.11
326.0	2.11	4.57	3.34	2.46	28.79	89.56	326.0	1.11	1.11	1.11
344.0	2.28	4.29	3.29	2.00	28.10	89.57	344.0	1.11	1.11	1.12
362.0	2.46	4.03	3.25	1.57	27.44	89.56	362.0	1.12	1.12	1.12
380.0	2.64	3.80	3.22	1.17	26.84	89.57	380.0	1.12	1.12	1.12
386.0	2.70	3.73	3.22	1.03	26.65	89.59	386.0	1.12	1.12	1.12
392.0	2.76	3.66	3.21	0.91	26.46	89.60	392.0	1.12	1.12	1.12
398.0	2.82	3.59	3.21	0.78	26.26	89.60	398.0	1.13	1.12	1.12
404.0	2.88	3.53	3.21	0.65	26.07	89.60	404.0	1.13	1.12	1.13
410.0	2.94	3.46	3.20	0.53	25.88	89.60	410.0	1.13	1.12	1.13
418.0	3.02	3.38	3.20	0.36	25.66	89.60	418.0	1.13	1.12	1.13
426.0	3.10	3.30	3.20	0.21	25.44	89.61	426.0	1.13	1.13	1.13
434.0	3.17	3.23	3.20	0.05	25.24	89.62	434.0	1.13	1.13	1.13
442.0	3.25	3.15	3.20	0.10	25.04	89.61	442.0	1.14	1.13	1.13
450.0	3.33	3.08	3.21	0.25	24.83	89.61	450.0	1.14	1.13	1.13
456.0	3.39	3.03	3.21	0.36	24.68	89.61	456.0	1.14	1.13	1.13
462.0	3.45	2.98	3.22	0.47	24.52	89.61	462.0	1.14	1.13	1.13
468.0	3.50	2.93	3.22	0.57	24.38	89.62	468.0	1.14	1.13	1.14
474.0	3.56	2.88	3.22	0.68	24.23	89.62	474.0	1.14	1.13	1.14
480.0	3.62	2.84	3.23	0.78	24.08	89.63	480.0	1.14	1.13	1.14
485.0	3.67	2.80	3.24	0.86	23.97	89.64	485.0	1.14	1.14	1.14
490.0	3.71	2.77	3.24	0.95	23.86	89.65	490.0	1.15	1.14	1.14
499.0	3.80	2.71	3.26	1.09	23.65	89.66	499.0	1.15	1.14	1.14
508.0	3.88	2.65	3.27	1.24	23.45	89.68	508.0	1.15	1.14	1.14
517.0	3.97	2.59	3.28	1.38	23.26	89.71	517.0	1.15	1.14	1.14
526.0	4.06	2.54	3.30	1.52	23.06	89.77	526.0	1.15	1.14	1.14
535.0	4.14	2.49	3.32	1.65	22.86	89.83	535.0	1.15	1.14	1.14
544.0	4.23	2.44	3.34	1.79	22.62	89.91	544.0	1.16	1.14	1.14
553.0	4.32	2.40	3.36	1.93	22.36	89.97	553.0	1.16	1.14	1.14
562.0	4.42	2.35	3.39	2.07	22.10	90.02	562.0	1.16	1.15	1.15
571.0	4.50	2.30	3.40	2.21	21.87	90.02	571.0	1.16	1.15	1.15
580.0	4.59	2.25	3.42	2.33	21.69	90.01	580.0	1.17	1.15	1.15
585.0	4.63	2.23	3.43	2.40	21.59	90.03	585.0	1.17	1.15	1.15
590.0	4.68	2.20	3.44	2.47	21.49	90.03	590.0	1.17	1.15	1.15
600.0	4.77	2.16	3.47	2.61	21.30	90.04	600.0	1.17	1.16	1.16

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

REV. X2

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