

2 Way-90° Power Splitter/Combiner

JSPQ-ED11934/1

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
20.0	6.30	6.44	6.37	0.14	16.48	140.63	20.0	3.82	1.07	9.24
30.0	4.31	4.99	4.65	0.68	14.02	127.38	30.0	2.01	1.11	5.35
40.0	3.52	4.54	4.03	1.02	12.91	117.74	40.0	1.40	1.14	3.99
50.0	3.20	4.37	3.79	1.17	12.31	110.64	50.0	1.15	1.15	3.32
60.0	3.08	4.28	3.68	1.20	11.92	105.40	60.0	1.09	1.15	2.91
70.0	3.07	4.21	3.64	1.14	11.64	101.58	70.0	1.16	1.14	2.62
80.0	3.10	4.13	3.62	1.04	11.43	98.79	80.0	1.22	1.13	2.41
90.0	3.16	4.06	3.61	0.90	11.27	96.81	90.0	1.28	1.11	2.23
100.0	3.24	3.98	3.61	0.74	11.15	95.44	100.0	1.33	1.09	2.09
105.0	3.28	3.94	3.61	0.66	11.10	94.94	105.0	1.34	1.08	2.03
120.0	3.41	3.84	3.63	0.42	11.02	93.94	120.0	1.39	1.06	1.86
135.0	3.55	3.74	3.65	0.20	11.03	93.51	135.0	1.42	1.05	1.73
150.0	3.67	3.67	3.67	0.00	11.13	93.44	150.0	1.45	1.05	1.62
165.0	3.77	3.60	3.69	0.17	11.31	93.56	165.0	1.46	1.07	1.54
180.0	3.86	3.56	3.71	0.30	11.58	93.80	180.0	1.47	1.09	1.47
195.0	3.92	3.53	3.73	0.39	11.95	94.07	195.0	1.47	1.11	1.41
210.0	3.95	3.51	3.73	0.44	12.40	94.30	210.0	1.45	1.13	1.36
225.0	3.98	3.54	3.76	0.43	12.96	94.40	225.0	1.43	1.14	1.32
240.0	3.98	3.54	3.76	0.44	13.58	94.77	240.0	1.41	1.15	1.28
255.0	3.96	3.56	3.76	0.40	14.32	94.67	255.0	1.38	1.15	1.26
270.0	3.93	3.61	3.77	0.32	15.19	94.49	270.0	1.35	1.15	1.24
285.0	3.88	3.66	3.77	0.21	16.17	94.22	285.0	1.31	1.15	1.23
300.0	3.82	3.73	3.78	0.09	17.23	93.83	300.0	1.27	1.15	1.21
315.0	3.75	3.81	3.78	0.06	18.32	93.35	315.0	1.23	1.15	1.21
330.0	3.69	3.90	3.80	0.21	19.30	92.86	330.0	1.19	1.15	1.20
345.0	3.61	4.00	3.81	0.38	19.97	92.35	345.0	1.14	1.17	1.20
350.0	3.59	4.03	3.81	0.44	20.09	92.17	350.0	1.13	1.18	1.20
360.0	3.55	4.10	3.83	0.55	20.11	91.86	360.0	1.10	1.20	1.20
370.0	3.51	4.17	3.84	0.66	19.85	91.58	370.0	1.07	1.23	1.21
380.0	3.48	4.25	3.87	0.76	19.36	91.35	380.0	1.04	1.27	1.21
390.0	3.46	4.32	3.89	0.86	18.72	91.15	390.0	1.03	1.31	1.21
400.0	3.44	4.39	3.92	0.95	17.98	90.99	400.0	1.04	1.35	1.22
410.0	3.43	4.47	3.95	1.03	17.22	90.89	410.0	1.06	1.40	1.22
420.0	3.44	4.54	3.99	1.10	16.47	90.86	420.0	1.09	1.45	1.22
430.0	3.45	4.61	4.03	1.16	15.76	90.88	430.0	1.11	1.51	1.22
440.0	3.48	4.67	4.08	1.19	15.08	90.96	440.0	1.14	1.57	1.22
450.0	3.51	4.73	4.12	1.22	14.44	91.06	450.0	1.16	1.64	1.21
460.0	3.56	4.78	4.17	1.23	13.84	91.18	460.0	1.19	1.71	1.21
470.0	3.62	4.83	4.23	1.22	13.29	91.34	470.0	1.22	1.78	1.20
480.0	3.68	4.88	4.28	1.20	12.77	91.49	480.0	1.24	1.85	1.19

¹ Total Loss = Insertion Loss + 3dB Splitter Loss