

# 2 Way-90° Power Splitter/Combiner

# JSPQW-100+

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
40.0	3.49	2.84	3.17	0.65	24.92	89.75	40.0	1.09	1.10	1.12
41.5	3.41	2.92	3.17	0.49	24.98	89.80	41.5	1.09	1.10	1.12
43.0	3.34	2.99	3.17	0.35	25.05	89.81	43.0	1.09	1.10	1.13
44.5	3.28	3.05	3.17	0.23	25.10	89.79	44.5	1.09	1.10	1.13
46.0	3.22	3.11	3.17	0.12	25.16	89.84	46.0	1.09	1.10	1.13
47.5	3.17	3.17	3.17	0.00	25.26	89.85	47.5	1.09	1.10	1.13
49.0	3.14	3.21	3.18	0.07	25.32	89.86	49.0	1.09	1.10	1.13
50.5	3.10	3.26	3.18	0.16	25.44	89.84	50.5	1.09	1.10	1.14
52.0	3.07	3.30	3.19	0.23	25.52	89.89	52.0	1.09	1.10	1.14
53.5	3.04	3.33	3.19	0.29	25.63	89.96	53.5	1.09	1.10	1.14
55.0	3.02	3.36	3.19	0.34	25.72	90.00	55.0	1.09	1.10	1.14
56.5	3.00	3.38	3.19	0.38	25.86	89.97	56.5	1.09	1.10	1.14
58.0	2.99	3.40	3.20	0.41	25.98	90.02	58.0	1.09	1.10	1.14
59.5	2.98	3.41	3.20	0.43	26.08	90.00	59.5	1.09	1.10	1.14
61.0	2.98	3.44	3.21	0.45	26.22	90.04	61.0	1.08	1.10	1.14
62.5	2.97	3.43	3.20	0.46	26.33	90.03	62.5	1.08	1.10	1.14
64.0	2.97	3.44	3.21	0.47	26.47	90.04	64.0	1.08	1.10	1.14
65.5	2.97	3.44	3.21	0.47	26.65	90.06	65.5	1.08	1.09	1.14
67.0	2.98	3.44	3.21	0.46	26.78	90.08	67.0	1.08	1.09	1.14
68.5	2.98	3.42	3.20	0.45	26.94	90.17	68.5	1.08	1.09	1.14
70.0	2.99	3.41	3.20	0.42	27.09	90.12	70.0	1.08	1.09	1.14
71.5	2.99	3.39	3.19	0.40	27.25	90.16	71.5	1.07	1.09	1.14
73.0	3.02	3.39	3.21	0.37	27.43	90.19	73.0	1.07	1.08	1.14
74.5	3.04	3.37	3.21	0.34	27.59	90.21	74.5	1.07	1.08	1.14
76.0	3.05	3.35	3.20	0.30	27.74	90.21	76.0	1.07	1.08	1.14
77.5	3.08	3.33	3.21	0.25	27.88	90.25	77.5	1.07	1.08	1.14
79.0	3.10	3.30	3.20	0.21	28.05	90.24	79.0	1.07	1.08	1.14
80.5	3.12	3.28	3.20	0.16	28.19	90.33	80.5	1.07	1.07	1.15
82.0	3.15	3.25	3.20	0.10	28.30	90.38	82.0	1.07	1.07	1.15
83.5	3.19	3.23	3.21	0.05	28.41	90.37	83.5	1.07	1.07	1.15
85.0	3.21	3.20	3.21	0.01	28.48	90.45	85.0	1.07	1.07	1.15
86.5	3.26	3.16	3.21	0.09	28.53	90.47	86.5	1.08	1.07	1.15
88.0	3.29	3.14	3.22	0.15	28.51	90.51	88.0	1.08	1.07	1.15
89.5	3.34	3.11	3.23	0.23	28.50	90.64	89.5	1.09	1.07	1.15
91.0	3.38	3.07	3.23	0.31	28.41	90.67	91.0	1.09	1.07	1.16
92.5	3.42	3.04	3.23	0.38	28.26	90.74	92.5	1.10	1.07	1.16
94.0	3.47	3.01	3.24	0.47	28.09	90.84	94.0	1.10	1.07	1.16
95.5	3.52	2.98	3.25	0.54	27.88	90.80	95.5	1.11	1.08	1.17
97.0	3.57	2.94	3.26	0.64	27.59	90.94	97.0	1.12	1.08	1.17
100.0	3.69	2.87	3.28	0.83	26.95	91.03	100.0	1.13	1.09	1.18

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss