

# 2 Way-90° Power Splitter/Combiner

# PSCQ-2-50+

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
25.0	3.16	3.22	3.19	0.05	24.02	91.10	25.0	1.17	1.16	1.17
25.5	3.14	3.25	3.20	0.11	23.93	91.15	25.5	1.17	1.16	1.17
26.0	3.11	3.28	3.20	0.17	23.86	91.19	26.0	1.17	1.16	1.17
26.5	3.09	3.31	3.20	0.22	23.79	91.20	26.5	1.17	1.16	1.17
27.0	3.06	3.33	3.20	0.27	23.70	91.25	27.0	1.17	1.17	1.18
27.5	3.04	3.36	3.20	0.32	23.64	91.27	27.5	1.17	1.17	1.18
28.0	3.02	3.38	3.20	0.36	23.58	91.32	28.0	1.17	1.17	1.18
28.5	3.00	3.41	3.21	0.40	23.52	91.32	28.5	1.17	1.17	1.18
29.0	2.99	3.43	3.21	0.44	23.47	91.34	29.0	1.18	1.17	1.18
29.5	2.97	3.45	3.21	0.47	23.43	91.38	29.5	1.18	1.17	1.18
30.0	2.96	3.46	3.21	0.50	23.38	91.40	30.0	1.18	1.17	1.19
30.5	2.95	3.48	3.22	0.53	23.33	91.44	30.5	1.18	1.17	1.19
31.0	2.94	3.49	3.22	0.55	23.29	91.45	31.0	1.18	1.18	1.19
31.5	2.93	3.51	3.22	0.58	23.26	91.52	31.5	1.18	1.18	1.19
32.0	2.93	3.52	3.23	0.59	23.22	91.55	32.0	1.18	1.18	1.19
32.5	2.92	3.53	3.23	0.61	23.20	91.57	32.5	1.18	1.18	1.19
33.0	2.92	3.54	3.23	0.62	23.17	91.58	33.0	1.18	1.18	1.19
33.5	2.91	3.54	3.23	0.63	23.16	91.66	33.5	1.18	1.18	1.19
34.0	2.91	3.55	3.23	0.64	23.13	91.68	34.0	1.18	1.18	1.19
34.5	2.91	3.56	3.24	0.65	23.12	91.70	34.5	1.18	1.18	1.19
35.0	2.91	3.56	3.24	0.66	23.11	91.71	35.0	1.18	1.18	1.19
35.5	2.91	3.56	3.24	0.66	23.10	91.73	35.5	1.18	1.18	1.19
36.0	2.91	3.57	3.24	0.66	23.10	91.77	36.0	1.18	1.18	1.20
36.5	2.91	3.57	3.24	0.66	23.08	91.78	36.5	1.18	1.18	1.20
37.0	2.92	3.57	3.25	0.66	23.09	91.80	37.0	1.18	1.18	1.20
37.5	2.91	3.57	3.24	0.65	23.09	91.82	37.5	1.18	1.18	1.20
38.0	2.92	3.57	3.25	0.64	23.10	91.88	38.0	1.18	1.18	1.20
38.5	2.92	3.56	3.24	0.64	23.11	91.90	38.5	1.18	1.18	1.20
39.0	2.93	3.56	3.25	0.63	23.12	91.89	39.0	1.18	1.18	1.20
39.5	2.94	3.56	3.25	0.62	23.14	91.94	39.5	1.18	1.18	1.20
40.0	2.95	3.55	3.25	0.60	23.16	91.96	40.0	1.18	1.18	1.20
41.0	2.96	3.54	3.25	0.57	23.22	91.97	41.0	1.17	1.18	1.19
42.0	2.98	3.52	3.25	0.54	23.29	92.01	42.0	1.17	1.17	1.19
43.0	3.00	3.50	3.25	0.50	23.36	92.07	43.0	1.17	1.17	1.19
44.0	3.03	3.48	3.26	0.45	23.47	92.11	44.0	1.17	1.17	1.19
45.0	3.05	3.46	3.26	0.41	23.58	92.14	45.0	1.16	1.17	1.19
46.0	3.08	3.43	3.26	0.35	23.70	92.19	46.0	1.16	1.17	1.19
47.0	3.10	3.40	3.25	0.30	23.87	92.23	47.0	1.16	1.16	1.18
48.0	3.13	3.37	3.25	0.24	24.02	92.28	48.0	1.15	1.16	1.18
49.0	3.17	3.34	3.26	0.17	24.21	92.28	49.0	1.15	1.16	1.18
50.0	3.20	3.31	3.26	0.10	24.43	92.29	50.0	1.14	1.16	1.18

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

