

# 2 Way-90° Power Splitter/Combiner

# PSCQ-2-160

## 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
100.0	3.41	2.89	3.15	0.52	27.64	88.68	100.0	1.12	1.11	1.10
101.5	3.37	2.93	3.15	0.44	27.55	88.70	101.5	1.12	1.11	1.11
103.0	3.33	2.97	3.15	0.36	27.45	88.66	103.0	1.12	1.12	1.11
104.5	3.29	3.01	3.15	0.28	27.35	88.63	104.5	1.12	1.12	1.11
106.0	3.25	3.04	3.15	0.21	27.25	88.67	106.0	1.13	1.12	1.11
107.5	3.21	3.07	3.14	0.13	27.14	88.66	107.5	1.13	1.12	1.12
109.0	3.17	3.11	3.14	0.07	27.04	88.66	109.0	1.13	1.13	1.12
110.5	3.14	3.13	3.14	0.01	26.91	88.63	110.5	1.14	1.13	1.12
112.0	3.11	3.17	3.14	0.06	26.81	88.61	112.0	1.14	1.13	1.12
113.5	3.07	3.20	3.14	0.12	26.68	88.59	113.5	1.14	1.14	1.13
115.0	3.04	3.22	3.13	0.18	26.54	88.57	115.0	1.15	1.14	1.13
116.5	3.02	3.25	3.14	0.23	26.42	88.57	116.5	1.15	1.14	1.13
118.0	2.99	3.27	3.13	0.28	26.29	88.59	118.0	1.15	1.14	1.14
119.5	2.97	3.30	3.14	0.33	26.15	88.61	119.5	1.16	1.15	1.14
121.0	2.94	3.32	3.13	0.37	26.00	88.60	121.0	1.16	1.15	1.14
122.5	2.92	3.34	3.13	0.42	25.85	88.56	122.5	1.16	1.15	1.15
124.0	2.90	3.36	3.13	0.46	25.69	88.60	124.0	1.17	1.16	1.15
125.5	2.88	3.38	3.13	0.50	25.55	88.58	125.5	1.17	1.16	1.15
127.0	2.87	3.40	3.14	0.54	25.38	88.61	127.0	1.17	1.16	1.15
128.5	2.86	3.42	3.14	0.57	25.23	88.65	128.5	1.18	1.17	1.16
130.0	2.85	3.44	3.15	0.60	25.08	88.64	130.0	1.18	1.17	1.16
131.5	2.84	3.46	3.15	0.63	24.90	88.66	131.5	1.19	1.17	1.16
133.0	2.82	3.48	3.15	0.66	24.73	88.65	133.0	1.19	1.18	1.17
134.5	2.82	3.50	3.16	0.68	24.57	88.70	134.5	1.19	1.18	1.17
136.0	2.82	3.52	3.17	0.70	24.39	88.68	136.0	1.20	1.18	1.17
137.5	2.82	3.54	3.18	0.72	24.21	88.71	137.5	1.20	1.19	1.18
139.0	2.82	3.55	3.19	0.73	24.02	88.71	139.0	1.21	1.19	1.18
140.5	2.82	3.57	3.20	0.75	23.84	88.73	140.5	1.21	1.20	1.19
142.0	2.82	3.59	3.21	0.76	23.64	88.76	142.0	1.22	1.20	1.19
143.5	2.83	3.60	3.22	0.77	23.46	88.74	143.5	1.22	1.20	1.19
145.0	2.85	3.62	3.24	0.77	23.26	88.76	145.0	1.23	1.21	1.20
146.5	2.85	3.63	3.24	0.78	23.06	88.77	146.5	1.23	1.21	1.20
148.0	2.87	3.64	3.26	0.78	22.85	88.76	148.0	1.24	1.22	1.21
149.5	2.88	3.65	3.27	0.77	22.65	88.80	149.5	1.24	1.22	1.21
151.0	2.90	3.67	3.29	0.77	22.44	88.81	151.0	1.25	1.23	1.22
152.5	2.92	3.67	3.30	0.75	22.23	88.80	152.5	1.25	1.23	1.22
154.0	2.93	3.67	3.30	0.74	22.02	88.84	154.0	1.26	1.24	1.22
155.5	2.96	3.68	3.32	0.72	21.80	88.85	155.5	1.26	1.24	1.23
157.0	2.98	3.68	3.33	0.70	21.57	88.86	157.0	1.27	1.25	1.23
158.5	3.00	3.68	3.34	0.67	21.35	88.90	158.5	1.28	1.25	1.24
160.0	3.03	3.68	3.36	0.64	21.11	88.95	160.0	1.28	1.26	1.24

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

