

2 Way-90° Power Splitter/Combiner

PSCQ-2-400+

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	(dB)						S	1	2
	S-1	S-2							
250.0	3.49	3.06	0.42	29.46	90.83	250.0	1.06	1.10	1.16
252.5	3.45	3.08	0.37	29.34	90.72	252.5	1.06	1.10	1.16
255.0	3.45	3.10	0.35	29.26	90.67	255.0	1.06	1.10	1.16
257.5	3.42	3.12	0.30	29.17	90.59	257.5	1.06	1.10	1.16
260.0	3.41	3.14	0.27	29.07	90.57	260.0	1.06	1.10	1.17
262.5	3.40	3.16	0.24	28.97	90.53	262.5	1.06	1.10	1.17
265.0	3.39	3.18	0.21	28.89	90.57	265.0	1.06	1.11	1.17
267.5	3.38	3.20	0.18	28.79	90.52	267.5	1.06	1.11	1.17
270.0	3.37	3.23	0.15	28.72	90.57	270.0	1.06	1.11	1.17
272.5	3.37	3.24	0.12	28.62	90.55	272.5	1.06	1.11	1.17
275.0	3.36	3.26	0.09	28.53	90.49	275.0	1.06	1.11	1.18
277.5	3.34	3.28	0.07	28.44	90.48	277.5	1.06	1.11	1.18
280.0	3.33	3.28	0.04	28.34	90.48	280.0	1.06	1.11	1.18
282.5	3.31	3.29	0.03	28.23	90.48	282.5	1.06	1.11	1.18
285.0	3.30	3.28	0.02	28.14	90.45	285.0	1.06	1.12	1.18
287.5	3.28	3.28	0.00	28.01	90.52	287.5	1.06	1.12	1.18
290.0	3.26	3.28	0.01	27.90	90.56	290.0	1.06	1.12	1.18
292.5	3.24	3.27	0.03	27.79	90.63	292.5	1.06	1.12	1.19
295.0	3.21	3.26	0.05	27.68	90.70	295.0	1.06	1.12	1.19
297.5	3.20	3.26	0.06	27.55	90.70	297.5	1.06	1.12	1.19
300.0	3.19	3.26	0.07	27.44	90.86	300.0	1.06	1.12	1.19
305.0	3.17	3.28	0.11	27.22	90.97	305.0	1.05	1.13	1.19
310.0	3.16	3.30	0.14	27.03	90.99	310.0	1.05	1.13	1.20
315.0	3.16	3.34	0.18	26.85	91.02	315.0	1.05	1.13	1.20
320.0	3.16	3.37	0.21	26.65	91.03	320.0	1.05	1.14	1.20
325.0	3.17	3.40	0.22	26.46	91.02	325.0	1.05	1.14	1.20
330.0	3.18	3.42	0.24	26.27	90.93	330.0	1.05	1.15	1.21
335.0	3.21	3.45	0.24	26.08	90.82	335.0	1.05	1.15	1.21
340.0	3.23	3.46	0.23	25.90	90.67	340.0	1.06	1.15	1.21
345.0	3.26	3.46	0.21	25.69	90.47	345.0	1.06	1.16	1.22
350.0	3.29	3.46	0.17	25.50	90.34	350.0	1.06	1.17	1.22
355.0	3.34	3.44	0.11	25.30	90.22	355.0	1.06	1.17	1.22
360.0	3.38	3.43	0.05	25.10	90.18	360.0	1.06	1.18	1.22
365.0	3.43	3.41	0.02	24.90	90.07	365.0	1.07	1.19	1.22
370.0	3.49	3.37	0.12	24.68	90.12	370.0	1.07	1.19	1.23
375.0	3.53	3.32	0.20	24.46	90.13	375.0	1.08	1.20	1.23
380.0	3.57	3.26	0.31	24.21	90.26	380.0	1.08	1.21	1.23
385.0	3.60	3.20	0.39	23.94	90.43	385.0	1.09	1.22	1.23
390.0	3.63	3.15	0.49	23.68	90.57	390.0	1.09	1.23	1.23
395.0	3.67	3.11	0.56	23.43	90.63	395.0	1.10	1.24	1.24
400.0	3.75	3.09	0.65	23.19	90.57	400.0	1.11	1.26	1.24

¹Total Loss = Insertion Loss + 3dB Splitter Loss

