

2 Way-90° Power Splitter/Combiner

PSCQ-ED12432/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-2	AVG.					S	1	2
80.0	4.57	2.05	3.31	2.53	30.43	90.24	80.0	1.09	1.09	1.09
85.0	4.32	2.20	3.26	2.11	29.78	90.28	85.0	1.09	1.09	1.09
90.0	4.10	2.35	3.23	1.74	29.20	90.33	90.0	1.09	1.09	1.09
95.0	3.90	2.50	3.20	1.40	28.63	90.38	95.0	1.10	1.09	1.10
100.0	3.74	2.64	3.19	1.10	28.09	90.43	100.0	1.10	1.10	1.10
105.0	3.59	2.77	3.18	0.83	27.56	90.50	105.0	1.10	1.10	1.11
110.0	3.47	2.88	3.18	0.58	27.06	90.56	110.0	1.11	1.11	1.11
112.0	3.42	2.93	3.18	0.49	26.87	90.59	112.0	1.11	1.11	1.11
114.0	3.38	2.97	3.18	0.41	26.66	90.63	114.0	1.11	1.11	1.12
116.0	3.34	3.02	3.18	0.33	26.47	90.66	116.0	1.11	1.11	1.12
118.0	3.31	3.05	3.18	0.25	26.28	90.69	118.0	1.12	1.11	1.12
120.0	3.27	3.09	3.18	0.18	26.07	90.73	120.0	1.12	1.12	1.12
122.0	3.24	3.13	3.19	0.11	25.88	90.77	122.0	1.12	1.12	1.13
124.0	3.22	3.16	3.19	0.05	25.68	90.80	124.0	1.12	1.12	1.13
125.8	3.19	3.19	3.19	0.00	25.50	90.84	125.8	1.13	1.12	1.13
126.8	3.18	3.21	3.20	0.03	25.41	90.86	126.8	1.13	1.12	1.13
127.8	3.17	3.22	3.20	0.06	25.31	90.88	127.8	1.13	1.13	1.14
128.8	3.16	3.24	3.20	0.08	25.21	90.90	128.8	1.13	1.13	1.14
129.8	3.15	3.25	3.20	0.11	25.10	90.93	129.8	1.13	1.13	1.14
130.0	3.15	3.26	3.21	0.11	25.07	90.93	130.0	1.13	1.13	1.14
132.0	3.13	3.28	3.21	0.16	24.87	90.97	132.0	1.13	1.13	1.14
134.0	3.11	3.31	3.21	0.20	24.65	91.02	134.0	1.14	1.13	1.15
136.0	3.10	3.33	3.22	0.24	24.44	91.07	136.0	1.14	1.14	1.15
138.0	3.08	3.35	3.22	0.27	24.23	91.12	138.0	1.14	1.14	1.15
140.0	3.07	3.37	3.22	0.30	24.02	91.17	140.0	1.15	1.14	1.16
142.0	3.07	3.39	3.23	0.32	23.80	91.22	142.0	1.15	1.15	1.16
144.0	3.06	3.41	3.24	0.35	23.58	91.28	144.0	1.16	1.15	1.17
145.0	3.06	3.41	3.24	0.35	23.48	91.31	145.0	1.16	1.15	1.17
150.0	3.06	3.44	3.25	0.38	22.93	91.48	150.0	1.17	1.16	1.18
155.0	3.08	3.45	3.27	0.38	22.38	91.66	155.0	1.18	1.17	1.19
160.0	3.11	3.46	3.29	0.35	21.81	91.88	160.0	1.19	1.18	1.21
165.0	3.16	3.44	3.30	0.28	21.22	92.13	165.0	1.21	1.20	1.22
170.0	3.22	3.42	3.32	0.19	20.61	92.42	170.0	1.22	1.21	1.24
175.0	3.31	3.38	3.35	0.07	19.99	92.75	175.0	1.24	1.23	1.25
180.0	3.42	3.33	3.38	0.10	19.36	93.15	180.0	1.26	1.25	1.27
185.0	3.57	3.26	3.42	0.30	18.71	93.60	185.0	1.28	1.27	1.29
190.0	3.73	3.19	3.46	0.55	18.04	94.15	190.0	1.30	1.29	1.32
195.0	3.94	3.10	3.52	0.84	17.34	94.80	195.0	1.33	1.32	1.34
200.0	4.18	3.00	3.59	1.18	16.63	95.59	200.0	1.36	1.35	1.37
205.0	4.48	2.90	3.69	1.57	15.91	96.56	205.0	1.39	1.38	1.40
210.0	4.83	2.80	3.82	2.04	15.17	97.75	210.0	1.43	1.42	1.43

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

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