

2 Way-90° Power Splitter/Combiner

CSCQ-ED12553/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
50.0	5.72	1.51	3.62	4.21	26.74	89.42	50.0	1.07	1.09	1.07
55.0	5.23	1.72	3.48	3.51	26.35	89.43	55.0	1.08	1.10	1.08
60.0	4.82	1.92	3.37	2.89	26.02	89.44	60.0	1.08	1.10	1.08
65.0	4.47	2.12	3.30	2.35	25.74	89.46	65.0	1.08	1.10	1.08
70.0	4.18	2.31	3.25	1.87	25.50	89.48	70.0	1.08	1.10	1.08
75.0	3.93	2.48	3.21	1.45	25.28	89.51	75.0	1.08	1.10	1.08
80.0	3.73	2.64	3.19	1.09	25.10	89.55	80.0	1.08	1.10	1.08
85.0	3.56	2.79	3.18	0.77	24.92	89.58	85.0	1.08	1.10	1.08
90.0	3.42	2.92	3.17	0.51	24.76	89.62	90.0	1.08	1.10	1.08
95.0	3.31	3.03	3.17	0.29	24.61	89.67	95.0	1.08	1.11	1.08
100.0	3.23	3.12	3.18	0.11	24.43	89.71	100.0	1.08	1.11	1.08
102.0	3.20	3.15	3.18	0.05	24.37	89.74	102.0	1.08	1.11	1.08
104.0	3.18	3.18	3.18	0.00	24.30	89.76	104.0	1.08	1.11	1.08
106.0	3.16	3.20	3.18	0.04	24.22	89.78	106.0	1.08	1.11	1.08
108.0	3.15	3.22	3.19	0.08	24.14	89.81	108.0	1.08	1.11	1.08
110.0	3.14	3.24	3.19	0.11	24.06	89.83	110.0	1.08	1.11	1.08
112.0	3.13	3.26	3.20	0.13	23.98	89.87	112.0	1.08	1.11	1.08
114.0	3.13	3.27	3.20	0.14	23.89	89.90	114.0	1.08	1.12	1.08
116.0	3.13	3.28	3.21	0.15	23.80	89.93	116.0	1.08	1.12	1.08
118.0	3.13	3.28	3.21	0.15	23.70	89.96	118.0	1.08	1.12	1.08
120.0	3.14	3.28	3.21	0.14	23.59	90.00	120.0	1.09	1.12	1.09
122.0	3.16	3.28	3.22	0.12	23.48	90.04	122.0	1.09	1.13	1.09
124.0	3.17	3.27	3.22	0.10	23.36	90.08	124.0	1.09	1.13	1.09
126.0	3.19	3.26	3.23	0.07	23.24	90.13	126.0	1.09	1.13	1.09
128.0	3.22	3.25	3.24	0.03	23.11	90.17	128.0	1.10	1.14	1.09
130.0	3.25	3.23	3.24	0.02	22.97	90.22	130.0	1.10	1.14	1.09
132.0	3.29	3.21	3.25	0.08	22.82	90.28	132.0	1.11	1.15	1.09
135.0	3.35	3.17	3.26	0.19	22.58	90.37	135.0	1.11	1.16	1.10
140.0	3.49	3.08	3.29	0.41	22.15	90.54	140.0	1.13	1.17	1.11
145.0	3.67	2.97	3.32	0.71	21.66	90.79	145.0	1.15	1.19	1.12
150.0	3.91	2.83	3.37	1.08	21.11	91.08	150.0	1.17	1.22	1.14
155.0	4.22	2.68	3.45	1.54	20.50	91.47	155.0	1.20	1.26	1.16
160.0	4.61	2.50	3.56	2.11	19.82	91.99	160.0	1.24	1.30	1.19
165.0	5.12	2.31	3.72	2.81	19.09	92.72	165.0	1.28	1.35	1.23
170.0	5.78	2.11	3.95	3.67	18.30	93.75	170.0	1.34	1.41	1.28
175.0	6.65	1.92	4.29	4.74	17.45	95.30	175.0	1.40	1.49	1.34
180.0	7.81	1.75	4.78	6.07	16.59	97.68	180.0	1.48	1.58	1.41
185.0	9.36	1.61	5.49	7.75	15.73	101.59	185.0	1.57	1.68	1.49
190.0	11.44	1.53	6.49	9.91	14.91	108.46	190.0	1.66	1.80	1.58
195.0	14.13	1.53	7.83	12.60	14.16	121.75	195.0	1.76	1.91	1.67
200.0	16.80	1.61	9.21	15.19	13.54	148.48	200.0	1.85	2.02	1.76

¹ Total Loss = Insertion Loss + 3dB Splitter Loss