

2 Way-90° Power Splitter/Combiner

ZMSCQ-2-120+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
80.0	2.76	3.65	3.21	0.89	21.51	88.07	80.0	1.19	1.22	1.18
81.0	2.78	3.61	3.20	0.83	21.46	88.07	81.0	1.19	1.22	1.18
82.0	2.82	3.57	3.20	0.75	21.42	88.06	82.0	1.19	1.22	1.18
83.0	2.85	3.53	3.19	0.68	21.37	88.03	83.0	1.19	1.22	1.18
84.0	2.88	3.50	3.19	0.63	21.31	88.01	84.0	1.19	1.22	1.18
85.0	2.91	3.46	3.19	0.55	21.27	88.04	85.0	1.19	1.22	1.18
86.0	2.94	3.43	3.19	0.49	21.22	88.03	86.0	1.19	1.22	1.18
87.0	2.97	3.39	3.18	0.43	21.18	88.03	87.0	1.19	1.22	1.18
88.0	3.00	3.37	3.19	0.37	21.13	88.01	88.0	1.19	1.22	1.19
89.0	3.03	3.34	3.19	0.31	21.08	88.04	89.0	1.19	1.22	1.19
90.0	3.05	3.31	3.18	0.26	21.03	88.02	90.0	1.19	1.22	1.19
91.0	3.08	3.28	3.18	0.19	20.98	87.99	91.0	1.19	1.22	1.19
92.0	3.11	3.25	3.18	0.15	20.93	88.05	92.0	1.19	1.22	1.19
93.0	3.13	3.22	3.18	0.09	20.88	88.06	93.0	1.19	1.22	1.19
94.0	3.16	3.20	3.18	0.04	20.83	88.03	94.0	1.19	1.21	1.19
95.0	3.18	3.17	3.18	0.01	20.78	88.04	95.0	1.19	1.21	1.20
96.0	3.21	3.15	3.18	0.06	20.72	88.05	96.0	1.19	1.21	1.20
97.0	3.23	3.13	3.18	0.10	20.67	88.02	97.0	1.19	1.21	1.20
98.0	3.25	3.11	3.18	0.15	20.62	88.05	98.0	1.19	1.21	1.20
99.0	3.28	3.09	3.19	0.19	20.57	88.04	99.0	1.19	1.21	1.20
100.0	3.30	3.07	3.19	0.24	20.51	88.07	100.0	1.19	1.21	1.21
101.0	3.32	3.05	3.19	0.27	20.46	88.08	101.0	1.20	1.21	1.21
102.0	3.35	3.03	3.19	0.32	20.41	88.06	102.0	1.20	1.21	1.21
103.0	3.37	3.02	3.20	0.35	20.36	88.11	103.0	1.20	1.21	1.21
104.0	3.38	2.99	3.19	0.39	20.30	88.07	104.0	1.20	1.21	1.22
105.0	3.40	2.98	3.19	0.42	20.24	88.06	105.0	1.20	1.21	1.22
106.0	3.42	2.96	3.19	0.46	20.18	88.10	106.0	1.20	1.21	1.22
107.0	3.44	2.95	3.20	0.49	20.13	88.11	107.0	1.20	1.21	1.22
108.0	3.45	2.94	3.20	0.51	20.07	88.15	108.0	1.20	1.21	1.23
109.0	3.47	2.93	3.20	0.55	20.00	88.14	109.0	1.20	1.21	1.23
110.0	3.49	2.91	3.20	0.57	19.95	88.14	110.0	1.21	1.21	1.23
111.0	3.50	2.90	3.20	0.59	19.88	88.11	111.0	1.21	1.22	1.23
112.0	3.51	2.89	3.20	0.62	19.82	88.16	112.0	1.21	1.22	1.24
113.0	3.53	2.89	3.21	0.64	19.77	88.17	113.0	1.21	1.22	1.24
114.0	3.54	2.88	3.21	0.66	19.69	88.19	114.0	1.21	1.22	1.24
115.0	3.55	2.87	3.21	0.68	19.63	88.18	115.0	1.21	1.22	1.25
116.0	3.57	2.87	3.22	0.70	19.57	88.18	116.0	1.22	1.22	1.25
117.0	3.58	2.87	3.23	0.71	19.50	88.21	117.0	1.22	1.22	1.25
118.0	3.59	2.87	3.23	0.72	19.44	88.22	118.0	1.22	1.22	1.26
119.0	3.60	2.87	3.24	0.73	19.37	88.28	119.0	1.22	1.22	1.26
120.0	3.61	2.86	3.24	0.75	19.30	88.27	120.0	1.23	1.22	1.26

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

