

# 2 Way-90° Power Splitter/Combiner

# ZMSCQ-2-180+

## 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
120.0	2.86	3.59	3.23	0.73	26.83	87.24	120.0	1.10	1.13	1.10
121.0	2.88	3.58	3.23	0.70	26.84	87.23	121.0	1.10	1.13	1.10
122.0	2.90	3.57	3.24	0.67	26.85	87.24	122.0	1.10	1.13	1.10
123.0	2.91	3.55	3.23	0.64	26.85	87.25	123.0	1.10	1.13	1.10
124.0	2.92	3.54	3.23	0.62	26.85	87.24	124.0	1.10	1.13	1.10
125.0	2.94	3.53	3.24	0.59	26.86	87.20	125.0	1.10	1.13	1.10
126.0	2.96	3.52	3.24	0.56	26.88	87.21	126.0	1.10	1.13	1.11
127.0	2.97	3.51	3.24	0.54	26.89	87.22	127.0	1.10	1.13	1.11
128.0	2.99	3.50	3.25	0.51	26.89	87.20	128.0	1.10	1.13	1.11
129.0	3.00	3.49	3.25	0.49	26.91	87.17	129.0	1.10	1.13	1.11
130.0	3.01	3.47	3.24	0.46	26.92	87.19	130.0	1.10	1.13	1.11
132.0	3.04	3.47	3.26	0.42	26.96	87.14	132.0	1.10	1.12	1.11
134.0	3.07	3.46	3.27	0.39	26.99	87.16	134.0	1.10	1.12	1.11
136.0	3.09	3.45	3.27	0.36	27.02	87.12	136.0	1.11	1.12	1.11
138.0	3.11	3.44	3.28	0.33	27.07	87.10	138.0	1.11	1.12	1.11
140.0	3.13	3.44	3.29	0.31	27.12	87.12	140.0	1.11	1.12	1.12
142.0	3.14	3.43	3.29	0.29	27.17	87.12	142.0	1.11	1.12	1.12
144.0	3.16	3.43	3.30	0.27	27.21	87.06	144.0	1.11	1.12	1.12
146.0	3.17	3.44	3.31	0.27	27.28	87.10	146.0	1.11	1.12	1.12
148.0	3.18	3.44	3.31	0.26	27.35	87.09	148.0	1.11	1.12	1.12
150.0	3.19	3.45	3.32	0.26	27.40	87.12	150.0	1.11	1.12	1.13
151.5	3.19	3.45	3.32	0.26	27.45	87.07	151.5	1.11	1.12	1.13
153.0	3.18	3.45	3.32	0.27	27.52	87.06	153.0	1.11	1.12	1.13
154.5	3.19	3.47	3.33	0.28	27.56	87.11	154.5	1.11	1.13	1.13
156.0	3.19	3.47	3.33	0.29	27.63	87.09	156.0	1.11	1.13	1.13
157.5	3.18	3.48	3.33	0.30	27.70	87.15	157.5	1.11	1.13	1.13
159.0	3.17	3.50	3.34	0.33	27.75	87.16	159.0	1.11	1.13	1.13
160.5	3.16	3.51	3.34	0.34	27.83	87.17	160.5	1.11	1.13	1.14
162.0	3.16	3.52	3.34	0.36	27.92	87.16	162.0	1.11	1.13	1.14
163.5	3.14	3.54	3.34	0.39	27.98	87.25	163.5	1.11	1.13	1.14
165.0	3.14	3.56	3.35	0.42	28.07	87.24	165.0	1.11	1.13	1.14
166.5	3.12	3.58	3.35	0.46	28.16	87.29	166.5	1.11	1.13	1.14
168.0	3.11	3.60	3.36	0.49	28.25	87.34	168.0	1.11	1.13	1.14
169.5	3.09	3.62	3.36	0.53	28.34	87.35	169.5	1.11	1.13	1.14
171.0	3.08	3.64	3.36	0.56	28.45	87.40	171.0	1.11	1.13	1.15
172.5	3.06	3.66	3.36	0.60	28.54	87.46	172.5	1.11	1.13	1.15
174.0	3.04	3.69	3.37	0.65	28.67	87.52	174.0	1.11	1.13	1.15
175.5	3.03	3.72	3.38	0.70	28.78	87.57	175.5	1.11	1.13	1.15
177.0	3.00	3.76	3.38	0.75	28.90	87.61	177.0	1.12	1.13	1.15
178.5	2.99	3.79	3.39	0.80	29.03	87.68	178.5	1.12	1.13	1.16
180.0	2.96	3.82	3.39	0.86	29.16	87.73	180.0	1.12	1.14	1.16

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



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