

# 2 Way-90° Power Splitter/Combiner

# ZMSCQ-2-50+

## 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
25.0	2.60	3.69	3.15	1.09	27.87	89.56	25.0	1.12	1.12	1.11
25.6	2.67	3.60	3.14	0.93	27.84	89.55	25.6	1.12	1.12	1.11
26.3	2.74	3.52	3.13	0.78	27.79	89.59	26.3	1.12	1.12	1.11
26.9	2.80	3.44	3.12	0.64	27.77	89.55	26.9	1.12	1.12	1.11
27.5	2.87	3.38	3.13	0.51	27.72	89.58	27.5	1.12	1.12	1.11
28.1	2.93	3.30	3.12	0.37	27.71	89.58	28.1	1.11	1.12	1.11
28.8	2.99	3.24	3.12	0.25	27.69	89.59	28.8	1.11	1.12	1.11
29.4	3.05	3.17	3.11	0.13	27.67	89.59	29.4	1.11	1.12	1.11
30.0	3.11	3.13	3.12	0.02	27.65	89.56	30.0	1.11	1.12	1.11
30.6	3.16	3.08	3.12	0.08	27.63	89.57	30.6	1.11	1.12	1.10
31.3	3.22	3.03	3.13	0.19	27.62	89.55	31.3	1.11	1.12	1.10
31.9	3.26	2.98	3.12	0.28	27.60	89.62	31.9	1.11	1.12	1.10
32.5	3.31	2.95	3.13	0.36	27.59	89.60	32.5	1.11	1.12	1.10
33.1	3.36	2.91	3.14	0.45	27.57	89.62	33.1	1.11	1.12	1.10
33.8	3.40	2.87	3.14	0.53	27.57	89.58	33.8	1.11	1.12	1.10
34.4	3.43	2.84	3.14	0.60	27.55	89.59	34.4	1.11	1.12	1.10
35.0	3.48	2.81	3.15	0.67	27.56	89.59	35.0	1.11	1.12	1.10
35.6	3.51	2.79	3.15	0.72	27.54	89.62	35.6	1.11	1.12	1.10
36.3	3.54	2.77	3.16	0.78	27.54	89.58	36.3	1.11	1.12	1.10
36.9	3.57	2.74	3.16	0.83	27.53	89.66	36.9	1.11	1.12	1.09
37.5	3.59	2.72	3.16	0.87	27.53	89.60	37.5	1.11	1.12	1.09
38.1	3.62	2.71	3.17	0.91	27.52	89.61	38.1	1.11	1.12	1.09
38.8	3.64	2.70	3.17	0.94	27.51	89.68	38.8	1.11	1.12	1.09
39.4	3.66	2.69	3.18	0.97	27.54	89.67	39.4	1.11	1.12	1.09
40.0	3.68	2.68	3.18	0.99	27.52	89.66	40.0	1.11	1.12	1.09
40.6	3.69	2.68	3.19	1.01	27.54	89.68	40.6	1.11	1.12	1.09
41.3	3.70	2.68	3.19	1.02	27.53	89.68	41.3	1.11	1.12	1.09
41.9	3.71	2.68	3.20	1.03	27.53	89.71	41.9	1.11	1.12	1.09
42.5	3.71	2.68	3.20	1.03	27.55	89.72	42.5	1.11	1.12	1.09
43.1	3.71	2.69	3.20	1.03	27.55	89.72	43.1	1.11	1.12	1.09
43.8	3.71	2.70	3.21	1.01	27.56	89.75	43.8	1.11	1.12	1.09
44.4	3.70	2.70	3.20	1.00	27.57	89.75	44.4	1.11	1.12	1.09
45.0	3.69	2.72	3.21	0.97	27.60	89.82	45.0	1.11	1.13	1.09
45.6	3.68	2.74	3.21	0.94	27.62	89.80	45.6	1.12	1.13	1.09
46.3	3.66	2.76	3.21	0.90	27.65	89.83	46.3	1.12	1.13	1.09
46.9	3.64	2.78	3.21	0.86	27.67	89.87	46.9	1.12	1.13	1.09
47.5	3.63	2.81	3.22	0.82	27.70	89.88	47.5	1.12	1.13	1.09
48.1	3.60	2.84	3.22	0.76	27.76	89.92	48.1	1.12	1.13	1.09
48.8	3.57	2.87	3.22	0.69	27.79	89.95	48.8	1.12	1.13	1.09
49.4	3.53	2.91	3.22	0.62	27.84	89.97	49.4	1.12	1.13	1.09
50.0	3.50	2.96	3.23	0.54	27.91	90.00	50.0	1.13	1.13	1.09

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



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