

2 Way-90° Power Splitter/Combiner

ZMSCQ-2-90

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
55.0	2.93	3.31	3.12	0.39	32.86	89.45	55.0	1.07	1.09	1.05
55.9	2.96	3.28	3.12	0.32	32.60	89.49	55.9	1.07	1.09	1.05
56.8	2.99	3.25	3.12	0.26	32.34	89.47	56.8	1.07	1.09	1.05
57.6	3.03	3.22	3.13	0.20	32.07	89.47	57.6	1.07	1.09	1.05
58.5	3.06	3.20	3.13	0.14	31.79	89.45	58.5	1.07	1.09	1.06
59.4	3.08	3.17	3.13	0.09	31.52	89.46	59.4	1.08	1.09	1.06
60.3	3.11	3.15	3.13	0.04	31.23	89.47	60.3	1.08	1.10	1.06
61.1	3.13	3.13	3.13	0.01	30.95	89.46	61.1	1.08	1.10	1.06
62.0	3.15	3.11	3.13	0.05	30.67	89.45	62.0	1.08	1.10	1.06
62.9	3.18	3.09	3.14	0.09	30.39	89.47	62.9	1.08	1.10	1.07
63.8	3.19	3.07	3.13	0.12	30.11	89.47	63.8	1.09	1.11	1.07
64.6	3.21	3.06	3.14	0.15	29.83	89.48	64.6	1.09	1.11	1.07
65.5	3.23	3.05	3.14	0.18	29.54	89.47	65.5	1.09	1.11	1.07
66.4	3.24	3.04	3.14	0.20	29.25	89.49	66.4	1.09	1.11	1.08
67.3	3.25	3.03	3.14	0.22	28.96	89.50	67.3	1.09	1.12	1.08
68.1	3.26	3.02	3.14	0.23	28.68	89.50	68.1	1.10	1.12	1.08
69.0	3.27	3.02	3.15	0.24	28.40	89.51	69.0	1.10	1.12	1.09
69.9	3.27	3.02	3.15	0.25	28.11	89.51	69.9	1.10	1.12	1.09
70.8	3.27	3.02	3.15	0.25	27.82	89.51	70.8	1.11	1.13	1.09
71.6	3.27	3.02	3.15	0.25	27.54	89.53	71.6	1.11	1.13	1.10
72.5	3.27	3.03	3.15	0.24	27.25	89.54	72.5	1.11	1.13	1.10
73.4	3.27	3.04	3.16	0.23	26.97	89.56	73.4	1.12	1.14	1.10
74.3	3.27	3.04	3.16	0.22	26.69	89.59	74.3	1.12	1.14	1.11
75.1	3.26	3.06	3.16	0.20	26.40	89.61	75.1	1.12	1.14	1.11
76.0	3.25	3.07	3.16	0.18	26.12	89.64	76.0	1.13	1.15	1.11
76.9	3.24	3.09	3.17	0.15	25.83	89.65	76.9	1.13	1.15	1.12
77.8	3.23	3.11	3.17	0.12	25.55	89.70	77.8	1.13	1.15	1.12
78.6	3.22	3.13	3.18	0.08	25.27	89.75	78.6	1.14	1.16	1.13
79.5	3.20	3.16	3.18	0.04	24.98	89.80	79.5	1.14	1.16	1.13
80.4	3.19	3.19	3.19	0.00	24.71	89.84	80.4	1.15	1.17	1.14
81.3	3.17	3.22	3.20	0.05	24.42	89.89	81.3	1.15	1.17	1.14
82.1	3.15	3.25	3.20	0.11	24.14	89.93	82.1	1.16	1.18	1.15
83.0	3.13	3.30	3.22	0.17	23.86	90.01	83.0	1.16	1.18	1.15
83.9	3.10	3.34	3.22	0.24	23.58	90.04	83.9	1.17	1.19	1.16
84.8	3.08	3.38	3.23	0.31	23.30	90.11	84.8	1.17	1.20	1.16
85.6	3.05	3.44	3.25	0.39	23.02	90.18	85.6	1.18	1.20	1.17
86.5	3.03	3.49	3.26	0.46	22.74	90.27	86.5	1.18	1.21	1.18
87.4	3.00	3.55	3.28	0.55	22.47	90.32	87.4	1.19	1.22	1.18
88.3	2.96	3.61	3.29	0.65	22.19	90.40	88.3	1.20	1.22	1.19
89.1	2.93	3.69	3.31	0.75	21.91	90.53	89.1	1.20	1.23	1.20
90.0	2.90	3.76	3.33	0.86	21.62	90.60	90.0	1.21	1.24	1.21

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

