

2 Way-90° Power Splitter/Combiner

ZSCQ-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	3.12	3.04	3.08	0.07	36.07	88.81	55.0	1.02	1.00	1.04
55.5	3.15	3.03	3.09	0.12	35.90	88.77	55.5	1.02	1.00	1.04
56.0	3.17	3.01	3.09	0.16	35.75	88.81	56.0	1.02	1.00	1.04
56.5	3.18	2.98	3.08	0.20	35.66	88.70	56.5	1.02	1.00	1.05
57.0	3.21	2.97	3.09	0.24	35.48	88.79	57.0	1.02	1.00	1.05
57.5	3.22	2.95	3.09	0.27	35.34	88.70	57.5	1.02	1.00	1.05
58.0	3.25	2.93	3.09	0.32	35.24	88.75	58.0	1.02	1.00	1.05
58.5	3.26	2.92	3.09	0.34	35.13	88.71	58.5	1.02	1.00	1.05
59.0	3.28	2.91	3.10	0.38	35.02	88.67	59.0	1.02	1.00	1.05
59.5	3.30	2.89	3.10	0.41	34.88	88.70	59.5	1.02	1.00	1.05
60.0	3.31	2.87	3.09	0.44	34.70	88.69	60.0	1.02	1.00	1.05
60.5	3.34	2.87	3.11	0.47	34.58	88.77	60.5	1.02	1.00	1.05
61.0	3.36	2.87	3.12	0.50	34.47	88.64	61.0	1.02	1.00	1.05
61.5	3.36	2.84	3.10	0.52	34.36	88.56	61.5	1.02	1.00	1.05
62.0	3.38	2.84	3.11	0.54	34.19	88.71	62.0	1.02	1.00	1.05
62.5	3.39	2.83	3.11	0.57	34.12	88.67	62.5	1.02	1.00	1.05
63.0	3.41	2.81	3.11	0.59	33.97	88.62	63.0	1.02	1.00	1.05
63.5	3.41	2.80	3.11	0.61	33.88	88.63	63.5	1.02	1.00	1.06
64.0	3.43	2.80	3.12	0.63	33.68	88.65	64.0	1.02	1.00	1.06
64.5	3.43	2.78	3.11	0.65	33.59	88.67	64.5	1.02	1.00	1.06
65.0	3.45	2.78	3.12	0.67	33.48	88.59	65.0	1.02	1.00	1.06
65.5	3.47	2.77	3.12	0.69	33.36	88.65	65.5	1.02	1.00	1.06
66.0	3.47	2.75	3.11	0.72	33.27	88.61	66.0	1.02	1.00	1.06
66.5	3.48	2.76	3.12	0.72	33.12	88.64	66.5	1.02	1.00	1.06
67.0	3.49	2.76	3.13	0.73	33.04	88.53	67.0	1.01	1.00	1.06
67.5	3.50	2.75	3.13	0.75	32.85	88.63	67.5	1.01	1.00	1.06
68.0	3.50	2.74	3.12	0.75	32.76	88.56	68.0	1.01	1.01	1.06
68.5	3.52	2.75	3.14	0.77	32.64	88.55	68.5	1.01	1.00	1.06
69.0	3.52	2.74	3.13	0.78	32.54	88.57	69.0	1.02	1.01	1.07
69.5	3.52	2.73	3.13	0.79	32.44	88.56	69.5	1.01	1.01	1.07
70.0	3.53	2.73	3.13	0.79	32.32	88.54	70.0	1.01	1.01	1.07
73.0	3.55	2.74	3.15	0.81	31.63	88.53	73.0	1.01	1.01	1.07
76.0	3.55	2.77	3.16	0.77	30.97	88.52	76.0	1.01	1.01	1.08
79.0	3.51	2.81	3.16	0.70	30.33	88.57	79.0	1.01	1.01	1.09
82.0	3.45	2.89	3.17	0.56	29.68	88.53	82.0	1.01	1.02	1.10
85.0	3.37	3.01	3.19	0.36	29.04	88.62	85.0	1.02	1.02	1.11
86.0	3.33	3.04	3.19	0.29	28.86	88.63	86.0	1.02	1.02	1.11
87.0	3.29	3.09	3.19	0.20	28.63	88.71	87.0	1.02	1.03	1.12
88.0	3.25	3.14	3.20	0.11	28.44	88.73	88.0	1.02	1.03	1.12
89.0	3.21	3.19	3.20	0.02	28.25	88.72	89.0	1.02	1.03	1.13
90.0	3.16	3.25	3.21	0.10	28.05	88.81	90.0	1.02	1.03	1.13

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

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