

# 4 Way-0° Power Splitter/Combiner

# ZSC-4-1+

## 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	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
0.1	6.19	6.18	6.15	6.15	0.04	29.23	32.04	29.48	0.63	0.1	1.26	1.38	1.38	1.36	1.35
0.2	6.20	6.21	6.20	6.20	0.02	29.40	37.91	29.66	0.35	0.2	1.21	1.27	1.27	1.26	1.26
0.3	6.21	6.21	6.21	6.20	0.01	29.38	41.09	29.64	0.22	0.3	1.20	1.25	1.25	1.25	1.24
0.4	6.22	6.21	6.22	6.22	0.01	29.38	43.23	29.64	0.18	0.4	1.21	1.23	1.23	1.23	1.23
0.5	6.21	6.21	6.21	6.20	0.01	29.33	44.74	29.62	0.08	0.5	1.20	1.23	1.23	1.23	1.22
0.6	6.21	6.20	6.21	6.21	0.01	29.31	45.63	29.60	0.10	0.6	1.20	1.23	1.23	1.23	1.22
0.7	6.22	6.21	6.21	6.21	0.01	29.26	46.25	29.60	0.14	0.7	1.20	1.23	1.23	1.23	1.22
0.8	6.22	6.21	6.21	6.20	0.01	29.25	46.69	29.57	0.12	0.8	1.20	1.23	1.23	1.23	1.23
0.9	6.20	6.20	6.20	6.19	0.01	29.21	46.88	29.54	0.07	0.9	1.19	1.24	1.24	1.24	1.23
1.0	6.21	6.19	6.21	6.20	0.02	29.18	47.10	29.53	0.12	1.0	1.19	1.24	1.24	1.24	1.23
20.0	6.24	6.24	6.23	6.23	0.01	29.88	46.45	29.88	0.17	20.0	1.21	1.20	1.20	1.20	1.20
28.0	6.27	6.29	6.28	6.26	0.03	29.85	45.31	29.76	0.28	28.0	1.22	1.19	1.19	1.19	1.19
36.0	6.30	6.30	6.30	6.31	0.01	29.70	44.41	29.58	0.29	36.0	1.22	1.19	1.19	1.19	1.18
44.0	6.31	6.31	6.31	6.32	0.02	29.57	43.40	29.31	0.29	44.0	1.22	1.18	1.18	1.18	1.18
52.0	6.29	6.30	6.30	6.30	0.01	29.38	42.51	29.07	0.39	52.0	1.22	1.18	1.17	1.18	1.17
60.0	6.29	6.29	6.30	6.29	0.01	29.21	41.79	28.78	0.54	60.0	1.21	1.17	1.17	1.17	1.17
68.0	6.31	6.31	6.34	6.33	0.03	29.01	41.19	28.48	0.58	68.0	1.20	1.17	1.17	1.18	1.17
76.0	6.37	6.37	6.39	6.38	0.02	28.86	40.61	28.28	0.60	76.0	1.20	1.16	1.16	1.17	1.17
84.0	6.39	6.39	6.41	6.39	0.03	28.78	40.10	28.06	0.57	84.0	1.19	1.15	1.15	1.16	1.15
92.0	6.36	6.34	6.37	6.36	0.03	28.68	39.73	27.90	0.64	92.0	1.19	1.14	1.14	1.15	1.14
100.0	6.32	6.31	6.35	6.35	0.04	28.68	39.46	27.80	0.79	100.0	1.18	1.13	1.12	1.14	1.14
105.0	6.34	6.32	6.38	6.37	0.06	28.72	39.32	27.78	0.88	105.0	1.18	1.12	1.12	1.13	1.13
110.0	6.36	6.35	6.39	6.38	0.04	28.76	39.23	27.78	0.80	110.0	1.17	1.12	1.11	1.13	1.13
115.0	6.37	6.36	6.40	6.40	0.04	28.84	39.15	27.72	0.83	115.0	1.17	1.11	1.11	1.13	1.12
120.0	6.39	6.37	6.43	6.42	0.06	28.89	39.08	27.76	1.04	120.0	1.16	1.11	1.10	1.12	1.12
125.0	6.41	6.41	6.45	6.44	0.04	29.01	39.02	27.78	0.97	125.0	1.15	1.10	1.10	1.12	1.11
130.0	6.41	6.40	6.46	6.46	0.06	29.18	39.15	27.81	1.03	130.0	1.15	1.10	1.09	1.11	1.11
135.0	6.41	6.40	6.46	6.46	0.06	29.35	39.11	27.90	1.01	135.0	1.14	1.09	1.09	1.11	1.11
140.0	6.42	6.40	6.47	6.46	0.07	29.55	39.13	28.03	1.02	140.0	1.14	1.09	1.09	1.11	1.10
145.0	6.40	6.40	6.45	6.45	0.06	29.80	39.28	28.11	1.13	145.0	1.13	1.09	1.08	1.10	1.10
150.0	6.41	6.40	6.46	6.46	0.07	30.07	39.41	28.28	1.23	150.0	1.12	1.09	1.08	1.10	1.10
155.0	6.40	6.40	6.47	6.48	0.09	30.35	39.64	28.43	1.13	155.0	1.11	1.09	1.08	1.10	1.10
160.0	6.40	6.39	6.48	6.49	0.10	30.75	39.93	28.62	1.18	160.0	1.11	1.09	1.08	1.10	1.10
165.0	6.41	6.40	6.48	6.49	0.10	31.16	40.18	28.82	1.20	165.0	1.10	1.09	1.09	1.10	1.10
170.0	6.42	6.40	6.48	6.50	0.10	31.60	40.55	29.08	1.34	170.0	1.10	1.10	1.09	1.10	1.11
175.0	6.45	6.43	6.51	6.51	0.08	32.15	41.03	29.31	1.24	175.0	1.09	1.10	1.10	1.11	1.11
180.0	6.46	6.44	6.55	6.55	0.11	32.71	41.60	29.58	1.24	180.0	1.09	1.10	1.10	1.11	1.11
185.0	6.50	6.48	6.58	6.59	0.11	33.37	42.30	29.88	1.33	185.0	1.09	1.11	1.10	1.11	1.11
190.0	6.52	6.51	6.61	6.62	0.11	34.07	43.07	30.17	1.38	190.0	1.08	1.11	1.11	1.11	1.11
195.0	6.54	6.52	6.62	6.64	0.11	34.81	43.78	30.46	1.58	195.0	1.09	1.12	1.11	1.11	1.12
200.0	6.54	6.53	6.62	6.65	0.13	35.66	44.95	30.69	1.62	200.0	1.09	1.12	1.12	1.12	1.12

<sup>1</sup> Total Loss = Insertion Loss + 6dB Splitter Loss

