

3 Way-0° Power Splitter/Combiner

ZSC-3-1-75+

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	S-3		1-2	1-3	2-3			S	1	2	3
1.0	4.98	4.93	4.92	0.06	40.87	42.29	28.44	0.48	1.0	1.20	1.16	1.19	1.18
2.0	4.96	4.93	4.93	0.03	44.50	46.42	31.80	0.36	2.0	1.18	1.14	1.14	1.14
3.0	4.95	4.93	4.92	0.03	46.63	48.58	33.60	0.37	3.0	1.19	1.13	1.13	1.13
4.0	4.95	4.90	4.92	0.04	47.48	49.32	34.78	0.26	4.0	1.19	1.13	1.13	1.12
5.0	4.94	4.89	4.91	0.05	48.19	49.46	35.58	0.32	5.0	1.19	1.13	1.13	1.12
6.0	4.94	4.91	4.90	0.05	48.01	49.24	36.39	0.19	6.0	1.19	1.13	1.13	1.12
7.0	4.93	4.90	4.91	0.03	48.32	49.42	37.09	0.30	7.0	1.19	1.13	1.13	1.12
8.0	4.94	4.93	4.92	0.02	48.35	49.54	37.59	0.17	8.0	1.19	1.13	1.13	1.13
9.0	4.92	4.90	4.94	0.04	48.46	49.38	38.20	0.19	9.0	1.19	1.14	1.13	1.13
10.0	4.94	4.93	4.93	0.02	48.50	49.13	38.72	0.26	10.0	1.20	1.14	1.13	1.13
17.0	4.93	4.92	4.93	0.01	47.87	48.58	40.94	0.15	17.0	1.20	1.14	1.14	1.13
24.0	4.93	4.93	4.94	0.01	47.47	47.84	42.13	0.11	24.0	1.21	1.15	1.15	1.14
31.0	4.96	4.96	4.95	0.01	46.92	47.29	42.81	0.13	31.0	1.22	1.16	1.15	1.15
38.0	4.96	4.96	4.95	0.02	47.63	47.55	43.21	0.11	38.0	1.23	1.17	1.17	1.16
45.0	4.97	4.96	4.97	0.01	47.51	47.01	43.74	0.23	45.0	1.24	1.18	1.18	1.17
52.0	4.96	4.95	4.96	0.01	48.34	46.53	44.33	0.29	52.0	1.25	1.19	1.19	1.19
59.0	4.98	4.98	4.99	0.01	49.01	46.07	44.52	0.19	59.0	1.27	1.21	1.20	1.20
66.0	4.98	5.00	4.99	0.01	50.14	45.76	44.56	0.10	66.0	1.29	1.22	1.22	1.22
73.0	4.99	4.99	4.98	0.01	52.31	45.24	44.79	0.11	73.0	1.30	1.24	1.23	1.23
80.0	5.00	5.02	5.00	0.02	53.96	44.90	45.44	0.09	80.0	1.32	1.25	1.25	1.25
83.0	5.01	5.02	5.00	0.01	54.98	44.82	45.80	0.13	83.0	1.33	1.26	1.26	1.25
86.0	5.01	5.02	5.01	0.01	55.62	44.28	45.71	0.19	86.0	1.34	1.27	1.26	1.26
89.0	5.03	5.03	5.00	0.03	56.96	44.03	45.65	0.19	89.0	1.35	1.27	1.27	1.27
92.0	5.00	4.99	5.01	0.02	58.48	43.78	45.26	0.17	92.0	1.35	1.28	1.28	1.28
95.0	5.01	5.01	5.02	0.01	59.65	43.46	45.45	0.27	95.0	1.36	1.29	1.28	1.28
100.0	5.02	5.04	5.04	0.02	57.39	42.71	45.36	0.29	100.0	1.38	1.30	1.30	1.29
108.0	5.04	5.05	5.06	0.01	54.37	42.01	44.71	0.09	108.0	1.40	1.32	1.31	1.31
116.0	5.07	5.08	5.08	0.02	49.66	41.11	43.93	0.16	116.0	1.42	1.34	1.33	1.33
124.0	5.09	5.10	5.10	0.02	47.00	40.05	42.84	0.22	124.0	1.45	1.35	1.35	1.35
132.0	5.07	5.09	5.09	0.02	44.81	38.99	41.65	0.12	132.0	1.47	1.37	1.37	1.36
140.0	5.10	5.10	5.11	0.01	42.93	37.93	40.39	0.17	140.0	1.50	1.39	1.38	1.38
148.0	5.12	5.14	5.13	0.02	41.19	37.13	39.08	0.04	148.0	1.53	1.41	1.40	1.40
156.0	5.14	5.17	5.14	0.03	39.72	36.08	38.10	0.22	156.0	1.55	1.42	1.42	1.42
164.0	5.16	5.17	5.17	0.01	38.36	35.41	36.86	0.30	164.0	1.58	1.44	1.43	1.43
172.0	5.17	5.21	5.19	0.04	37.10	34.57	35.80	0.13	172.0	1.61	1.46	1.45	1.45
180.0	5.20	5.24	5.23	0.03	35.87	33.63	34.83	0.35	180.0	1.63	1.47	1.46	1.46
184.0	5.22	5.25	5.24	0.03	35.40	33.25	34.38	0.10	184.0	1.65	1.48	1.47	1.47
188.0	5.26	5.28	5.26	0.02	34.82	32.87	33.92	0.10	188.0	1.66	1.49	1.48	1.48
192.0	5.25	5.29	5.24	0.05	34.30	32.39	33.46	0.14	192.0	1.67	1.49	1.48	1.48
196.0	5.28	5.31	5.28	0.03	33.80	32.08	33.04	0.28	196.0	1.69	1.50	1.49	1.49
200.0	5.29	5.30	5.27	0.03	33.27	31.63	32.52	0.28	200.0	1.71	1.51	1.50	1.50

¹ Total Loss = Insertion Loss + 4.8dB Splitter Loss

