

8 Way-0° Power Splitter/Combiner

ZCSC-ED12715/1

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	S-4	S-6	S-8		1-2	1-8	3-4	6-7			S	1	8
0.0	28.03	26.96	27.02	25.94	26.13	25.55	2.48	60.87	47.90	56.37	49.75	2.79	0.0	5.22	1.28	1.28
0.2	21.83	21.18	21.24	20.56	20.61	20.14	1.70	49.68	43.21	54.65	46.95	5.39	0.2	1.83	1.19	1.18
0.3	21.01	20.58	20.62	20.16	20.16	19.80	1.21	49.16	45.20	56.16	49.86	4.79	0.3	1.44	1.14	1.12
0.4	20.90	20.51	20.54	20.12	20.11	19.77	1.13	49.06	45.74	56.39	50.54	4.57	0.4	1.39	1.13	1.12
0.5	20.72	20.38	20.41	20.03	20.01	19.70	1.02	48.73	46.57	56.43	51.54	4.10	0.5	1.32	1.11	1.10
0.6	20.60	20.29	20.32	19.96	19.95	19.65	0.95	48.46	47.15	56.39	52.37	3.73	0.6	1.27	1.10	1.09
0.7	20.50	20.21	20.25	19.91	19.90	19.61	0.89	48.16	47.67	56.59	53.03	3.47	0.7	1.24	1.10	1.09
0.8	20.43	20.15	20.18	19.87	19.85	19.58	0.85	47.94	48.07	56.53	53.55	3.25	0.8	1.22	1.09	1.08
0.9	20.37	20.11	20.13	19.83	19.81	19.55	0.82	47.84	48.38	56.56	54.19	3.08	0.9	1.20	1.09	1.08
1.0	20.31	20.06	20.09	19.80	19.78	19.53	0.79	47.80	48.71	56.36	54.69	2.96	1.0	1.18	1.08	1.07
2.0	20.01	19.83	19.84	19.62	19.59	19.40	0.61	48.32	50.99	56.29	59.17	2.02	2.0	1.11	1.06	1.05
3.0	19.91	19.74	19.75	19.56	19.54	19.36	0.55	49.15	52.35	56.36	61.75	1.51	3.0	1.08	1.05	1.05
4.0	19.86	19.70	19.71	19.53	19.50	19.34	0.52	49.71	53.53	56.37	63.17	1.20	4.0	1.06	1.05	1.04
5.0	19.83	19.68	19.68	19.51	19.49	19.33	0.51	50.15	54.22	56.44	63.88	0.96	5.0	1.05	1.04	1.04
6.0	19.82	19.67	19.67	19.50	19.48	19.32	0.50	50.45	54.66	56.54	64.47	0.81	6.0	1.05	1.04	1.04
7.0	19.81	19.66	19.66	19.49	19.47	19.32	0.49	50.65	55.19	56.50	64.29	0.70	7.0	1.04	1.04	1.03
8.0	19.80	19.66	19.66	19.49	19.47	19.31	0.49	50.81	55.39	56.53	64.20	0.62	8.0	1.04	1.04	1.03
9.0	19.80	19.65	19.66	19.49	19.47	19.31	0.49	50.91	55.70	56.28	64.09	0.55	9.0	1.04	1.04	1.03
10.0	19.80	19.65	19.65	19.49	19.47	19.31	0.49	51.02	55.83	56.31	63.86	0.50	10.0	1.04	1.04	1.03
20.0	19.82	19.67	19.67	19.50	19.49	19.33	0.49	51.29	56.37	55.40	61.69	0.19	20.0	1.03	1.04	1.03
30.0	19.84	19.69	19.69	19.52	19.51	19.35	0.49	50.67	56.37	53.88	61.03	0.17	30.0	1.03	1.04	1.03
40.0	19.86	19.70	19.70	19.54	19.52	19.36	0.50	50.04	56.46	52.38	59.75	0.21	40.0	1.03	1.04	1.03
50.0	19.88	19.72	19.72	19.56	19.54	19.38	0.49	49.16	56.36	50.96	58.68	0.25	50.0	1.04	1.04	1.03
60.0	19.89	19.73	19.73	19.57	19.55	19.39	0.49	48.31	56.24	49.79	58.00	0.28	60.0	1.04	1.03	1.03
70.0	19.90	19.75	19.75	19.58	19.56	19.41	0.50	47.51	56.38	48.76	57.21	0.32	70.0	1.04	1.03	1.03
80.0	19.91	19.76	19.76	19.59	19.57	19.42	0.49	46.76	56.38	47.83	56.73	0.40	80.0	1.04	1.03	1.03
90.0	19.92	19.77	19.77	19.61	19.58	19.43	0.49	45.98	56.29	46.96	55.78	0.47	90.0	1.05	1.03	1.03
100.0	19.93	19.78	19.78	19.62	19.59	19.44	0.50	45.39	56.36	46.22	55.34	0.47	100.0	1.05	1.03	1.03
200.0	20.03	19.88	19.89	19.73	19.70	19.55	0.49	41.06	56.48	41.45	50.71	0.97	200.0	1.08	1.02	1.02
300.0	20.11	19.96	19.98	19.83	19.78	19.64	0.46	39.02	56.61	39.28	47.72	1.39	300.0	1.11	1.03	1.03
400.0	20.19	20.05	20.08	19.94	19.88	19.75	0.44	38.17	56.71	38.27	45.62	1.77	400.0	1.12	1.04	1.05
500.0	20.29	20.15	20.18	20.05	19.99	19.87	0.41	38.06	56.59	37.89	44.25	2.20	500.0	1.13	1.06	1.07
600.0	20.40	20.28	20.31	20.19	20.12	20.02	0.38	38.38	56.35	37.79	43.35	2.67	600.0	1.13	1.08	1.09
700.0	20.54	20.43	20.46	20.36	20.27	20.19	0.34	38.85	55.85	37.74	42.91	3.09	700.0	1.13	1.10	1.11
800.0	20.71	20.62	20.64	20.55	20.46	20.40	0.31	39.05	55.20	37.54	43.01	3.60	800.0	1.13	1.12	1.13
900.0	20.89	20.81	20.85	20.76	20.66	20.62	0.27	38.97	54.29	37.37	43.53	4.13	900.0	1.15	1.14	1.15
1000.0	21.11	21.04	21.09	21.02	20.91	20.88	0.23	38.77	53.69	37.37	44.40	4.58	1000.0	1.18	1.16	1.17
1100.0	21.37	21.32	21.38	21.32	21.20	21.18	0.21	38.54	52.99	37.62	45.35	5.11	1100.0	1.22	1.19	1.20
1150.0	21.53	21.49	21.55	21.52	21.36	21.36	0.24	38.36	52.77	37.76	45.94	5.34	1150.0	1.23	1.20	1.21
1200.0	21.76	21.72	21.77	21.85	21.57	21.58	0.36	38.22	52.73	37.91	46.40	5.55	1200.0	1.25	1.21	1.22
1250.0	21.96	21.89	21.90	22.03	21.70	21.73	0.45	37.96	52.78	37.95	46.65	5.80	1250.0	1.28	1.22	1.24
1300.0	22.11	22.09	22.20	22.23	21.96	22.03	0.39	37.91	52.76	38.21	47.24	6.05	1300.0	1.31	1.23	1.25
1400.0	22.54	22.55	22.67	22.64	22.37	22.55	0.48	38.22	53.19	38.90	48.52	6.69	1400.0	1.36	1.26	1.27
1450.0	22.75	22.76	22.86	22.81	22.53	22.79	0.55	38.79	53.51	39.64	49.46	7.09	1450.0	1.40	1.28	1.29
1500.0	23.08	23.10	23.17	23.11	22.80	23.14	0.61	40.03	54.05	41.16	50.98	7.46	1500.0	1.45	1.29	1.30
1600.0	23.77	23.81	23.77	23.71	23.32	23.88	0.82	45.67	55.26	48.40	56.38	8.77	1600.0	1.54	1.31	1.31
1700.0	24.59	24.64	24.46	24.43	23.94	24.75	1.08	57.39	57.79	51.89	74.16	10.94	1700.0	1.61	1.31	1.32
1800.0	25.49	25.57	25.20	25.25	24.65	25.72	1.28	42.96	61.09	41.34	58.60	13.62	1800.0	1.60	1.32	1.33
1900.0	26.48	26.56	26.01	26.18	25.48	26.74	1.36	38.97	66.02	38.28	54.50	16.26	1900.0	1.49	1.33	1.34
2000.0	27.76	27.81	27.10	27.43	26.63	27.98	1.35	37.23	77.02	37.48	53.99	18.15	2000.0	1.36	1.35	1.37
2100.0	29.67	29.63	28.81	29.24	28.34	29.69	1.35	35.56	75.57	36.81	56.06	19.16	2100.0	1.39	1.36	1.39
2200.0	32.16	32.01	31.11	31.40	30.48	31.78	1.73	34.01	67.79	35.40	55.18	18.77	2200.0	1.55	1.38	1.42
2300.0	35.52	35.18	34.04	33.91	32.88	34.29	3.01	33.37	67.24	34.54	51.35	21.29	2300.0	1.70	1.40	1.44

¹ Total Loss = Insertion Loss+ 9dB Splitter Loss

