

8 Way-0° Power Splitter/Combiner

ZCSC-8-152+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹							AMP. UNBAL. (dB)	ISOLATION				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	(dB)								(dB)						S	(:1)	
	S-1	S-2	S-3	S-4	S-5	S-6	S-8		1-2	1-8	3-4	6-7				1	8
0.50	20.66	20.33	20.36	19.99	20.31	19.98	19.68	0.98	48.60	46.87	56.57	51.92	3.92	0.50	1.29	1.11	1.10
0.55	20.60	20.29	20.32	19.96	20.27	19.95	19.65	0.95	48.46	47.15	56.39	52.37	3.73	0.55	1.27	1.10	1.09
0.60	20.55	20.25	20.27	19.93	20.23	19.92	19.63	0.92	48.26	47.43	56.55	52.64	3.59	0.60	1.25	1.10	1.09
0.65	20.50	20.21	20.25	19.91	20.21	19.90	19.61	0.89	48.16	47.67	56.59	53.03	3.47	0.65	1.24	1.10	1.09
0.70	20.46	20.18	20.21	19.89	20.17	19.87	19.59	0.87	48.05	47.87	56.64	53.38	3.34	0.70	1.23	1.09	1.08
0.75	20.43	20.15	20.18	19.87	20.15	19.85	19.58	0.85	47.94	48.07	56.53	53.55	3.25	0.75	1.22	1.09	1.08
0.80	20.40	20.13	20.16	19.85	20.12	19.83	19.56	0.84	47.89	48.21	56.51	53.91	3.17	0.80	1.21	1.09	1.08
0.85	20.37	20.11	20.13	19.83	20.10	19.81	19.55	0.82	47.84	48.38	56.56	54.19	3.08	0.85	1.20	1.09	1.08
0.90	20.34	20.09	20.12	19.82	20.08	19.80	19.54	0.80	47.77	48.54	56.54	54.42	3.02	0.90	1.19	1.09	1.08
0.95	20.31	20.06	20.09	19.80	20.05	19.78	19.53	0.79	47.80	48.71	56.36	54.69	2.96	0.95	1.18	1.08	1.07
1.00	20.29	20.05	20.07	19.79	20.03	19.77	19.52	0.77	47.78	48.81	56.48	54.88	2.90	1.00	1.18	1.08	1.07
2.00	20.01	19.83	19.84	19.62	19.81	19.59	19.40	0.61	48.32	50.99	56.29	59.17	2.02	2.00	1.11	1.06	1.05
3.00	19.91	19.74	19.75	19.56	19.72	19.54	19.36	0.55	49.15	52.35	56.36	61.75	1.51	3.00	1.08	1.05	1.05
4.00	19.86	19.70	19.71	19.53	19.68	19.50	19.34	0.52	49.71	53.53	56.37	63.17	1.20	4.00	1.06	1.05	1.04
5.00	19.83	19.68	19.68	19.51	19.66	19.49	19.33	0.51	50.15	54.22	56.44	63.88	0.96	5.00	1.05	1.04	1.04
6.00	19.82	19.67	19.67	19.50	19.65	19.48	19.32	0.50	50.45	54.66	56.54	64.47	0.81	6.00	1.05	1.04	1.04
7.00	19.81	19.66	19.66	19.49	19.64	19.47	19.32	0.49	50.65	55.19	56.50	64.29	0.70	7.00	1.04	1.04	1.03
8.00	19.80	19.66	19.66	19.49	19.64	19.47	19.31	0.49	50.81	55.39	56.53	64.20	0.62	8.00	1.04	1.04	1.03
9.00	19.80	19.65	19.66	19.49	19.64	19.47	19.31	0.49	50.91	55.70	56.28	64.09	0.55	9.00	1.04	1.04	1.03
10.00	19.80	19.65	19.65	19.49	19.63	19.47	19.31	0.49	51.02	55.83	56.31	63.86	0.50	10.00	1.04	1.04	1.03
20.00	19.82	19.67	19.67	19.50	19.66	19.49	19.33	0.49	51.29	56.37	55.40	61.69	0.19	20.00	1.03	1.04	1.03
30.00	19.84	19.69	19.69	19.52	19.67	19.51	19.35	0.49	50.67	56.37	53.88	61.03	0.17	30.00	1.03	1.04	1.03
40.00	19.86	19.70	19.70	19.54	19.69	19.52	19.36	0.50	50.04	56.46	52.38	59.75	0.21	40.00	1.03	1.04	1.03
50.00	19.88	19.72	19.72	19.56	19.71	19.54	19.38	0.49	49.16	56.36	50.96	58.68	0.25	50.00	1.04	1.04	1.03
60.00	19.89	19.73	19.73	19.57	19.72	19.55	19.39	0.49	48.31	56.24	49.79	58.00	0.28	60.00	1.04	1.03	1.03
70.00	19.90	19.75	19.75	19.58	19.73	19.56	19.41	0.50	47.51	56.38	48.76	57.21	0.32	70.00	1.04	1.03	1.03
80.00	19.91	19.76	19.76	19.59	19.74	19.57	19.42	0.49	46.76	56.38	47.83	56.73	0.40	80.00	1.04	1.03	1.03
88.00	19.92	19.76	19.76	19.60	19.75	19.58	19.43	0.50	46.21	56.40	47.06	55.93	0.44	88.00	1.05	1.03	1.03
90.00	19.92	19.77	19.77	19.61	19.75	19.58	19.43	0.49	45.98	56.29	46.96	55.78	0.47	90.00	1.05	1.03	1.03
100.00	19.93	19.78	19.78	19.62	19.76	19.59	19.44	0.50	45.39	56.36	46.22	55.34	0.47	100.00	1.05	1.03	1.03
150.00	19.99	19.84	19.84	19.68	19.82	19.65	19.50	0.49	42.85	56.33	43.34	52.77	0.75	150.00	1.06	1.03	1.02
200.00	20.03	19.88	19.89	19.73	19.86	19.70	19.55	0.49	41.06	56.48	41.45	50.71	0.97	200.00	1.08	1.02	1.02
250.00	20.07	19.92	19.93	19.78	19.90	19.74	19.60	0.48	39.81	56.51	40.12	48.97	1.18	250.00	1.09	1.02	1.03
300.00	20.11	19.96	19.98	19.83	19.94	19.78	19.64	0.46	39.02	56.61	39.28	47.72	1.39	300.00	1.11	1.03	1.03
350.00	20.15	20.00	20.02	19.88	19.99	19.82	19.69	0.46	38.48	56.63	38.68	46.67	1.57	350.00	1.12	1.03	1.04
400.00	20.19	20.05	20.08	19.94	20.03	19.88	19.75	0.44	38.17	56.71	38.27	45.62	1.77	400.00	1.12	1.04	1.05
450.00	20.24	20.10	20.13	20.00	20.08	19.93	19.81	0.43	38.04	56.74	38.02	44.89	2.02	450.00	1.13	1.05	1.06
500.00	20.29	20.15	20.18	20.05	20.13	19.99	19.87	0.41	38.06	56.59	37.89	44.25	2.20	500.00	1.13	1.06	1.07
550.00	20.34	20.22	20.25	20.13	20.19	20.05	19.95	0.40	38.21	56.54	37.84	43.69	2.45	550.00	1.13	1.07	1.08
600.00	20.40	20.28	20.31	20.19	20.25	20.12	20.02	0.38	38.38	56.35	37.79	43.35	2.67	600.00	1.13	1.08	1.09
650.00	20.47	20.36	20.39	20.28	20.32	20.20	20.11	0.37	38.66	56.44	37.79	43.08	2.83	650.00	1.13	1.09	1.10
700.00	20.54	20.43	20.46	20.36	20.38	20.27	20.19	0.34	38.85	55.85	37.74	42.91	3.09	700.00	1.13	1.10	1.11
750.00	20.62	20.52	20.55	20.45	20.46	20.36	20.29	0.33	39.02	55.43	37.64	42.94	3.35	750.00	1.13	1.11	1.12
800.00	20.71	20.62	20.64	20.55	20.54	20.46	20.40	0.31	39.05	55.20	37.54	43.01	3.60	800.00	1.13	1.12	1.13
850.00	20.80	20.71	20.74	20.65	20.62	20.56	20.50	0.29	39.02	54.81	37.44	43.21	3.84	850.00	1.14	1.13	1.14
900.00	20.89	20.81	20.85	20.76	20.72	20.66	20.62	0.27	38.97	54.29	37.37	43.53	4.13	900.00	1.15	1.14	1.15
950.00	21.00	20.93	20.97	20.90	20.82	20.79	20.75	0.25	38.89	54.07	37.35	43.93	4.34	950.00	1.17	1.15	1.16
1000.00	21.11	21.04	21.09	21.02	20.93	20.91	20.88	0.23	38.77	53.69	37.37	44.40	4.58	1000.00	1.18	1.16	1.17
1100.00	21.37	21.32	21.38	21.32	21.18	21.20	21.18	0.21	38.54	52.99	37.62	45.35	5.11	1100.00	1.22	1.19	1.20
1150.00	21.53	21.49	21.55	21.52	21.32	21.36	21.36	0.24	38.36	52.77	37.76	45.94	5.34	1150.00	1.23	1.20	1.21
1200.00	21.76	21.72	21.77	21.85	21.49	21.57	21.58	0.36	38.22	52.73	37.91	46.40	5.55	1200.00	1.25	1.21	1.22
1250.00	21.96	21.89	21.90	22.03	21.59	21.70	21.73	0.45	37.96	52.78	37.95	46.65	5.80	1250.00	1.28	1.22	1.24
1300.00	22.11	22.09	22.20	22.23	21.84	21.96	22.03	0.39	37.91	52.76	38.21	47.24	6.05	1300.00	1.31	1.23	1.25
1350.00	22.22	22.21	22.33	22.31	21.91	22.07	22.19	0.42	37.79	52.78	38.32	47.62	6.40	1350.00	1.33	1.25	1.26
1400.00	22.54	22.55	22.67	22.64	22.19	22.37	22.55	0.48	38.22	53.19	38.90	48.52	6.69	1400.00	1.36	1.26	1.27
1450.00	22.75	22.76	22.86	22.81	22.31	22.53	22.79	0.55	38.79	53.51	39.64	49.46	7.09	1450.00	1.40	1.28	1.29
1500.00	23.08	23.10	23.17	23.11	22.56	22.80	23.14	0.61	40.03	54.05	41.16	50.98	7.46	1500.00	1.45	1.29	1.30
1550.00	23.39	23.42	23.44	23.37	22.77	23.02	23.48	0.71	42.10	54.66	43.65	53.28	7.99	1550.00	1.50	1.30	1.30

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

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