

4 Way-0° Resistive Power Splitter/Combiner

ZFRSC-4-842+

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		1-2	2-3	3-4			S	1	2	3	4
0.3	11.83	11.86	11.80	11.85	0.06	6.00	17.68	5.99	0.39	0.3	1.04	1.04	1.04	1.03	1.04
0.5	11.85	11.86	11.82	11.86	0.05	6.00	17.69	6.00	0.23	0.5	1.04	1.03	1.03	1.03	1.03
0.7	11.86	11.87	11.82	11.86	0.04	6.00	17.68	5.99	0.16	0.7	1.04	1.03	1.03	1.03	1.03
0.9	11.86	11.87	11.83	11.87	0.05	6.00	17.69	5.99	0.13	0.9	1.04	1.03	1.03	1.03	1.03
1.0	11.86	11.88	11.83	11.87	0.05	6.00	17.69	5.99	0.12	1.0	1.04	1.03	1.03	1.03	1.03
3.0	11.87	11.88	11.83	11.87	0.05	6.01	17.71	6.00	0.06	3.0	1.04	1.03	1.03	1.03	1.03
5.0	11.87	11.88	11.84	11.87	0.05	6.01	17.71	6.00	0.04	5.0	1.04	1.03	1.03	1.03	1.03
7.0	11.87	11.88	11.83	11.87	0.05	6.01	17.71	6.00	0.04	7.0	1.04	1.03	1.03	1.03	1.03
10.0	11.87	11.88	11.83	11.87	0.04	6.01	17.71	6.00	0.04	10.0	1.04	1.03	1.03	1.03	1.03
30.0	11.87	11.87	11.84	11.87	0.03	6.01	17.70	6.01	0.05	30.0	1.04	1.03	1.03	1.03	1.03
50.0	11.87	11.88	11.84	11.87	0.04	6.01	17.70	6.01	0.08	50.0	1.04	1.03	1.03	1.03	1.03
70.0	11.87	11.88	11.84	11.87	0.04	6.02	17.71	6.01	0.13	70.0	1.04	1.03	1.03	1.03	1.03
100.0	11.87	11.89	11.85	11.88	0.04	6.02	17.71	6.02	0.16	100.0	1.04	1.03	1.03	1.03	1.03
200.0	11.88	11.89	11.86	11.88	0.03	6.03	17.72	6.02	0.30	200.0	1.04	1.03	1.03	1.03	1.03
300.0	11.89	11.91	11.87	11.90	0.03	6.04	17.74	6.03	0.47	300.0	1.04	1.03	1.03	1.03	1.03
400.0	11.90	11.92	11.89	11.90	0.03	6.04	17.76	6.03	0.57	400.0	1.04	1.03	1.03	1.03	1.03
500.0	11.91	11.93	11.90	11.91	0.02	6.05	17.78	6.04	0.72	500.0	1.04	1.03	1.03	1.04	1.03
600.0	11.91	11.93	11.91	11.92	0.01	6.05	17.80	6.04	0.82	600.0	1.04	1.03	1.03	1.04	1.04
700.0	11.92	11.92	11.93	11.91	0.01	6.06	17.81	6.05	0.93	700.0	1.04	1.04	1.04	1.04	1.04
800.0	11.92	11.92	11.94	11.92	0.02	6.07	17.83	6.06	0.99	800.0	1.04	1.04	1.04	1.05	1.04
900.0	11.92	11.92	11.95	11.91	0.04	6.08	17.84	6.07	1.04	900.0	1.04	1.04	1.04	1.06	1.04
1000.0	11.93	11.91	11.96	11.91	0.05	6.09	17.87	6.09	1.07	1000.0	1.04	1.04	1.04	1.06	1.04
1100.0	11.93	11.91	11.96	11.92	0.05	6.10	17.88	6.09	1.10	1100.0	1.04	1.04	1.04	1.07	1.04
1200.0	11.93	11.91	11.97	11.92	0.06	6.11	17.90	6.11	1.08	1200.0	1.04	1.04	1.04	1.07	1.05
1400.0	11.93	11.91	11.96	11.93	0.06	6.13	17.94	6.13	1.05	1400.0	1.04	1.05	1.05	1.08	1.05
1600.0	11.93	11.90	11.94	11.92	0.04	6.14	17.96	6.15	1.03	1600.0	1.04	1.05	1.05	1.08	1.05
1800.0	11.93	11.90	11.91	11.91	0.03	6.16	17.97	6.16	1.02	1800.0	1.04	1.05	1.05	1.09	1.05
2000.0	11.93	11.88	11.88	11.90	0.05	6.18	17.97	6.18	1.05	2000.0	1.03	1.05	1.06	1.09	1.05
2200.0	11.95	11.89	11.86	11.91	0.09	6.22	18.01	6.22	1.15	2200.0	1.03	1.05	1.06	1.09	1.05
2400.0	11.97	11.92	11.85	11.94	0.12	6.27	18.09	6.28	1.35	2400.0	1.03	1.04	1.07	1.09	1.06
2600.0	12.00	11.96	11.85	11.97	0.15	6.32	18.17	6.33	1.62	2600.0	1.02	1.04	1.07	1.10	1.06
2800.0	12.03	11.99	11.87	12.00	0.16	6.36	18.26	6.37	1.90	2800.0	1.02	1.04	1.08	1.10	1.06
3000.0	12.05	12.01	11.90	12.00	0.15	6.37	18.34	6.39	2.23	3000.0	1.02	1.04	1.08	1.11	1.06
3200.0	12.06	12.03	11.93	11.99	0.13	6.38	18.44	6.39	2.48	3200.0	1.02	1.04	1.09	1.11	1.06
3400.0	12.07	12.05	11.97	11.99	0.11	6.39	18.57	6.39	2.59	3400.0	1.01	1.04	1.10	1.12	1.07
3600.0	12.09	12.07	11.99	12.00	0.10	6.40	18.71	6.41	2.70	3600.0	1.02	1.06	1.11	1.13	1.07
3800.0	12.09	12.10	12.03	12.01	0.09	6.44	18.82	6.45	2.71	3800.0	1.02	1.07	1.12	1.14	1.09
4000.0	12.10	12.12	12.06	12.01	0.11	6.49	18.89	6.50	2.63	4000.0	1.02	1.08	1.14	1.15	1.09
4100.0	12.10	12.12	12.07	12.01	0.12	6.51	18.91	6.53	2.48	4100.0	1.02	1.09	1.14	1.15	1.09
4200.0	12.12	12.13	12.08	12.00	0.13	6.52	18.92	6.54	2.43	4200.0	1.03	1.10	1.14	1.16	1.09
4300.0	12.13	12.13	12.09	12.00	0.13	6.52	18.93	6.55	2.60	4300.0	1.03	1.11	1.15	1.16	1.10
4400.0	12.15	12.15	12.09	12.01	0.14	6.53	18.96	6.56	2.85	4400.0	1.03	1.12	1.15	1.16	1.10
4500.0	12.16	12.16	12.09	12.02	0.14	6.52	18.97	6.55	3.12	4500.0	1.03	1.12	1.15	1.16	1.11
4600.0	12.17	12.17	12.08	12.04	0.13	6.51	18.99	6.54	3.44	4600.0	1.03	1.13	1.16	1.16	1.11
4700.0	12.19	12.19	12.08	12.06	0.12	6.50	19.01	6.53	3.68	4700.0	1.03	1.14	1.17	1.16	1.11
4800.0	12.19	12.21	12.07	12.09	0.14	6.48	19.01	6.51	3.99	4800.0	1.03	1.15	1.17	1.16	1.12
4900.0	12.20	12.23	12.06	12.10	0.17	6.47	19.01	6.50	4.23	4900.0	1.04	1.15	1.18	1.16	1.12
5000.0	12.21	12.25	12.06	12.13	0.19	6.47	18.99	6.49	4.52	5000.0	1.05	1.15	1.18	1.15	1.12
5100.0	12.23	12.27	12.06	12.15	0.21	6.47	18.98	6.50	4.85	5100.0	1.05	1.15	1.18	1.15	1.11
5200.0	12.25	12.27	12.07	12.17	0.20	6.47	18.95	6.51	5.07	5200.0	1.06	1.16	1.17	1.14	1.11
5300.0	12.27	12.27	12.07	12.19	0.20	6.50	18.94	6.53	5.22	5300.0	1.07	1.17	1.17	1.13	1.11
5400.0	12.29	12.27	12.09	12.21	0.19	6.50	18.93	6.55	5.32	5400.0	1.07	1.17	1.16	1.13	1.11
5500.0	12.29	12.27	12.11	12.22	0.18	6.52	18.96	6.57	5.46	5500.0	1.08	1.16	1.16	1.12	1.11
5600.0	12.29	12.27	12.13	12.24	0.16	6.53	18.99	6.58	5.60	5600.0	1.08	1.16	1.16	1.12	1.09
5700.0	12.27	12.26	12.15	12.25	0.13	6.53	19.05	6.58	5.80	5700.0	1.09	1.16	1.16	1.11	1.08
5800.0	12.26	12.25	12.16	12.28	0.12	6.53	19.07	6.56	6.00	5800.0	1.09	1.16	1.16	1.11	1.08
5900.0	12.25	12.24	12.17	12.30	0.13	6.52	19.11	6.55	6.16	5900.0	1.10	1.15	1.14	1.10	1.08
6000.0	12.23	12.23	12.18	12.31	0.13	6.51	19.15	6.53	6.33	6000.0	1.10	1.15	1.14	1.09	1.07
6100.0	12.22	12.22	12.19	12.32	0.13	6.49	19.20	6.51	6.53	6100.0	1.10	1.14	1.13	1.09	1.06
6200.0	12.21	12.20	12.20	12.29	0.10	6.47	19.24	6.48	6.71	6200.0	1.10	1.14	1.11	1.08	1.05
6300.0	12.18	12.17	12.22	12.29	0.12	6.46	19.28	6.46	6.78	6300.0	1.10	1.14	1.11	1.07	1.04
6400.0	12.15	12.14	12.24	12.28	0.14	6.45	19.34	6.44	6.85	6400.0	1.10	1.14	1.10	1.07	1.04
6600.0	12.11	12.09	12.27	12.29	0.20	6.44	19.51	6.45	6.64	6600.0	1.09	1.12	1.09	1.07	1.02
6800.0	12.11	12.06	12.30	12.30	0.24	6.45	19.72	6.47	6.38	6800.0	1.09	1.11	1.06	1.06	1.04
7000.0	12.10	12.05	12.32	12.33	0.28	6.47	19.96	6.50	6.41	7000.0	1.08	1.12	1.04	1.06	1.06
7200.0	12.10	12.04	12.33	12.39	0.36	6.50	20.18	6.53	6.44	7200.0	1.08	1.13	1.04	1.05	1.07
7400.0	12.14	12.03	12.30	12.41	0.38	6.49	20.38	6.51	6.17	7400.0	1.09	1.13	1.03	1.07	1.12
7600.0	12.18	12.03	12.26	12.40	0.37	6.47	20.59	6.47	6.00	7600.0	1.11	1.15	1.05	1.09	1.16
7800.0	12.19	12.03	12.22	12.42	0.39	6.45	20.84	6.43	5.53	7800.0	1.13	1.18	1.09	1.13	1.18
8000.0	12.24	12.05	12.18	12.48	0.43	6.49	21.15	6.46	4.82	8000.0	1.16	1.20	1.12	1.16	1.23
8200.0	12.41	12.16	12.16	12.55	0.39	6.56	21.36	6.57	4.58	8200.0	1.21	1.24	1.15	1.20	1.28
8400.0	12.53	12.26	12.20	12.55	0.35	6.66	21.24	6.76	5.48	8400.0	1.26	1.27	1.17	1.23	1.28

¹Total Loss = Insertion Loss + 12dB 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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