

4 Way-0° Resistive Power Splitter/Combiner

ZFRSC-ED14980/1

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		1-2	2-3	3-4			S	1	2	3	4
0.3	11.89	11.89	11.90	11.88	0.01	6.00	17.74	6.01	0.39	0.3	1.04	1.04	1.04	1.04	1.03
0.5	11.88	11.88	11.89	11.88	0.01	5.99	17.72	6.00	0.24	0.5	1.04	1.04	1.04	1.04	1.03
1.0	11.89	11.88	11.88	11.89	0.02	5.98	17.73	6.00	0.12	1.0	1.04	1.04	1.04	1.04	1.03
5.0	11.90	11.89	11.89	11.90	0.01	5.99	17.75	6.00	0.03	5.0	1.04	1.04	1.04	1.04	1.03
10.0	11.90	11.89	11.89	11.90	0.01	5.98	17.75	6.00	0.02	10.0	1.04	1.04	1.04	1.04	1.03
30.0	11.90	11.89	11.89	11.90	0.01	5.99	17.75	6.01	0.04	30.0	1.04	1.04	1.04	1.04	1.03
50.0	11.90	11.90	11.90	11.90	0.00	5.99	17.75	6.01	0.05	50.0	1.04	1.04	1.04	1.04	1.03
70.0	11.90	11.89	11.90	11.90	0.01	6.00	17.75	6.01	0.07	70.0	1.04	1.04	1.04	1.04	1.03
100.0	11.91	11.90	11.90	11.90	0.00	6.00	17.75	6.02	0.09	100.0	1.04	1.04	1.03	1.04	1.03
200.0	11.91	11.91	11.91	11.91	0.00	6.02	17.76	6.04	0.22	200.0	1.04	1.03	1.04	1.04	1.03
300.0	11.93	11.93	11.92	11.93	0.00	6.04	17.77	6.05	0.27	300.0	1.04	1.03	1.04	1.04	1.04
400.0	11.93	11.93	11.93	11.93	0.00	6.05	17.76	6.06	0.37	400.0	1.04	1.04	1.04	1.04	1.04
500.0	11.93	11.94	11.93	11.94	0.00	6.05	17.77	6.07	0.47	500.0	1.05	1.04	1.04	1.04	1.04
600.0	11.94	11.94	11.94	11.94	0.01	6.06	17.77	6.08	0.55	600.0	1.05	1.04	1.04	1.05	1.04
700.0	11.95	11.94	11.94	11.95	0.01	6.07	17.77	6.09	0.67	700.0	1.05	1.04	1.04	1.05	1.05
800.0	11.95	11.93	11.94	11.94	0.01	6.08	17.78	6.10	0.79	800.0	1.05	1.05	1.05	1.05	1.05
900.0	11.95	11.93	11.94	11.94	0.02	6.09	17.79	6.11	0.89	900.0	1.06	1.05	1.05	1.06	1.05
1000.0	11.95	11.93	11.94	11.95	0.03	6.10	17.79	6.12	1.00	1000.0	1.06	1.05	1.05	1.06	1.06
1100.0	11.95	11.93	11.94	11.94	0.02	6.11	17.80	6.13	1.08	1100.0	1.06	1.05	1.06	1.06	1.06
1200.0	11.95	11.93	11.93	11.95	0.02	6.12	17.81	6.14	1.15	1200.0	1.06	1.05	1.06	1.07	1.06
1400.0	11.96	11.93	11.93	11.96	0.03	6.15	17.83	6.17	1.34	1400.0	1.06	1.06	1.06	1.07	1.07
1600.0	11.97	11.93	11.91	11.96	0.05	6.18	17.84	6.19	1.53	1600.0	1.06	1.06	1.07	1.07	1.07
1800.0	11.97	11.93	11.90	11.97	0.07	6.21	17.85	6.22	1.68	1800.0	1.06	1.06	1.07	1.07	1.07
2000.0	11.98	11.93	11.89	11.98	0.09	6.24	17.87	6.25	1.85	2000.0	1.06	1.06	1.07	1.07	1.07
2200.0	12.00	11.95	11.89	12.00	0.11	6.27	17.91	6.28	1.98	2200.0	1.06	1.06	1.08	1.07	1.08
2400.0	12.03	11.97	11.89	12.04	0.15	6.31	17.98	6.33	2.10	2400.0	1.06	1.06	1.08	1.07	1.08
2600.0	12.06	12.00	11.90	12.07	0.17	6.35	18.06	6.37	2.20	2600.0	1.06	1.07	1.09	1.07	1.07
2800.0	12.09	12.03	11.93	12.11	0.18	6.39	18.13	6.42	2.32	2800.0	1.06	1.06	1.09	1.07	1.07
3000.0	12.12	12.05	11.95	12.13	0.18	6.42	18.21	6.44	2.45	3000.0	1.06	1.06	1.09	1.07	1.07
3200.0	12.13	12.06	11.98	12.15	0.17	6.44	18.31	6.46	2.54	3200.0	1.05	1.05	1.09	1.07	1.06
3400.0	12.14	12.07	12.02	12.17	0.16	6.46	18.43	6.48	2.68	3400.0	1.04	1.05	1.09	1.07	1.06
3600.0	12.17	12.10	12.05	12.20	0.14	6.48	18.58	6.50	2.83	3600.0	1.03	1.05	1.10	1.08	1.06
3800.0	12.17	12.13	12.10	12.23	0.12	6.52	18.72	6.53	2.83	3800.0	1.03	1.04	1.11	1.08	1.06
4000.0	12.18	12.14	12.16	12.24	0.10	6.55	18.81	6.55	2.86	4000.0	1.02	1.05	1.11	1.09	1.06
4100.0	12.19	12.15	12.18	12.24	0.09	6.56	18.86	6.57	2.91	4100.0	1.02	1.05	1.10	1.10	1.07
4200.0	12.20	12.15	12.20	12.24	0.09	6.57	18.90	6.58	2.93	4200.0	1.02	1.06	1.10	1.10	1.07
4300.0	12.21	12.16	12.22	12.25	0.09	6.58	18.95	6.59	2.94	4300.0	1.02	1.06	1.10	1.11	1.08
4400.0	12.22	12.16	12.23	12.25	0.09	6.59	18.99	6.60	3.01	4400.0	1.02	1.07	1.11	1.12	1.09
4500.0	12.24	12.17	12.24	12.26	0.09	6.59	19.04	6.60	3.03	4500.0	1.03	1.07	1.12	1.13	1.10
4600.0	12.23	12.18	12.24	12.28	0.10	6.60	19.07	6.60	3.04	4600.0	1.03	1.08	1.12	1.13	1.10
4700.0	12.23	12.20	12.25	12.30	0.10	6.60	19.10	6.60	2.99	4700.0	1.03	1.08	1.12	1.14	1.11
4800.0	12.24	12.21	12.26	12.31	0.10	6.60	19.13	6.60	3.06	4800.0	1.03	1.09	1.12	1.15	1.11
4900.0	12.26	12.22	12.26	12.32	0.10	6.60	19.12	6.60	3.11	4900.0	1.04	1.09	1.12	1.15	1.12
5000.0	12.29	12.23	12.26	12.33	0.09	6.60	19.12	6.61	3.18	5000.0	1.04	1.10	1.12	1.16	1.13
5200.0	12.33	12.27	12.28	12.34	0.07	6.61	19.09	6.62	3.32	5200.0	1.05	1.11	1.12	1.17	1.14
5300.0	12.36	12.29	12.29	12.34	0.07	6.61	19.09	6.62	3.37	5300.0	1.06	1.11	1.12	1.17	1.14
5400.0	12.39	12.30	12.30	12.36	0.09	6.61	19.08	6.63	3.57	5400.0	1.06	1.11	1.12	1.17	1.14
5500.0	12.41	12.33	12.31	12.38	0.10	6.61	19.10	6.64	3.74	5500.0	1.06	1.11	1.12	1.17	1.16
5600.0	12.43	12.35	12.32	12.40	0.11	6.61	19.11	6.65	3.90	5600.0	1.07	1.10	1.12	1.17	1.15
5700.0	12.45	12.37	12.32	12.42	0.13	6.61	19.13	6.65	4.00	5700.0	1.08	1.10	1.11	1.17	1.15
5800.0	12.48	12.40	12.32	12.43	0.15	6.61	19.15	6.65	4.09	5800.0	1.08	1.10	1.10	1.17	1.15
5900.0	12.51	12.43	12.32	12.45	0.19	6.61	19.16	6.64	4.04	5900.0	1.09	1.10	1.09	1.17	1.15
6000.0	12.53	12.46	12.32	12.45	0.21	6.61	19.18	6.64	3.95	6000.0	1.09	1.10	1.10	1.17	1.15
6200.0	12.55	12.49	12.33	12.45	0.22	6.62	19.19	6.65	4.03	6200.0	1.10	1.09	1.10	1.16	1.14
6300.0	12.56	12.50	12.33	12.45	0.23	6.61	19.21	6.64	4.09	6300.0	1.10	1.09	1.09	1.15	1.14
6400.0	12.57	12.51	12.33	12.43	0.24	6.61	19.21	6.63	4.10	6400.0	1.10	1.09	1.07	1.15	1.14
6600.0	12.60	12.52	12.35	12.42	0.25	6.62	19.30	6.64	4.01	6600.0	1.09	1.09	1.05	1.14	1.13
6800.0	12.60	12.53	12.36	12.42	0.24	6.61	19.44	6.62	4.15	6800.0	1.09	1.08	1.05	1.12	1.13
7000.0	12.63	12.55	12.36	12.42	0.27	6.60	19.61	6.61	4.12	7000.0	1.08	1.09	1.05	1.11	1.12
7200.0	12.65	12.55	12.35	12.42	0.30	6.60	19.75	6.58	3.84	7200.0	1.07	1.11	1.04	1.10	1.11
7400.0	12.61	12.53	12.31	12.38	0.30	6.59	19.91	6.55	3.56	7400.0	1.08	1.12	1.04	1.09	1.12
7600.0	12.59	12.47	12.28	12.34	0.31	6.62	20.10	6.56	3.44	7600.0	1.08	1.13	1.07	1.08	1.12
7800.0	12.59	12.42	12.23	12.33	0.36	6.62	20.36	6.54	3.49	7800.0	1.10	1.16	1.10	1.07	1.14
8000.0	12.60	12.38	12.20	12.35	0.40	6.70	20.64	6.59	3.70	8000.0	1.12	1.19	1.13	1.08	1.15
8200.0	12.52	12.34	12.15	12.33	0.37	6.73	20.80	6.62	3.97	8200.0	1.15	1.21	1.16	1.10	1.17
8400.0	12.50	12.28	12.13	12.32	0.37	6.77	20.85	6.67	4.33	8400.0	1.19	1.23	1.18	1.12	1.19
8500.0	12.48	12.27	12.13	12.29	0.36	6.85	20.79	6.74	4.67	8500.0	1.21	1.24	1.20	1.13	1.19



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