

8 Way-0° Power Splitter/Combiner

ZFSC-ED13009/1

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	2-4	4-5	6-8			S	1	8
0.3	10.71	10.64	10.64	10.67	10.72	10.70	0.13	27.84	34.36	34.34	24.67	1.16	0.3	2.05	2.26	2.31
0.6	10.23	10.16	10.18	10.21	10.22	10.19	0.09	30.27	37.73	37.68	26.12	0.67	0.6	1.52	1.67	1.69
0.9	10.05	9.99	10.01	10.04	10.04	10.01	0.08	32.17	39.71	39.66	26.57	0.55	0.9	1.37	1.49	1.50
1.0	10.01	9.96	9.98	10.00	10.00	9.97	0.07	32.73	40.22	40.18	26.66	0.51	1.0	1.34	1.45	1.46
4.0	9.64	9.59	9.62	9.63	9.62	9.59	0.06	40.55	49.01	48.90	27.93	0.25	4.0	1.12	1.16	1.16
7.0	9.56	9.50	9.54	9.56	9.54	9.49	0.07	42.75	53.66	53.58	28.29	0.20	7.0	1.08	1.10	1.10
10.0	9.53	9.48	9.52	9.53	9.51	9.47	0.06	43.23	56.87	57.12	28.44	0.17	10.0	1.06	1.08	1.08
20.0	9.53	9.47	9.51	9.53	9.50	9.46	0.07	42.79	61.07	61.93	28.58	0.16	20.0	1.05	1.05	1.05
30.0	9.54	9.49	9.52	9.54	9.51	9.47	0.07	42.07	61.10	61.50	28.60	0.19	30.0	1.04	1.05	1.05
40.0	9.56	9.48	9.54	9.55	9.53	9.47	0.09	41.38	59.34	59.69	28.56	0.22	40.0	1.04	1.05	1.05
50.0	9.57	9.49	9.56	9.57	9.55	9.48	0.09	40.71	57.88	57.96	28.53	0.29	50.0	1.04	1.05	1.04
60.0	9.59	9.51	9.57	9.59	9.56	9.49	0.10	40.12	56.62	57.20	28.48	0.34	60.0	1.05	1.04	1.04
80.0	9.62	9.54	9.60	9.61	9.59	9.52	0.09	38.90	54.68	55.04	28.38	0.46	80.0	1.05	1.04	1.04
100.0	9.64	9.60	9.62	9.64	9.62	9.58	0.06	37.71	53.58	53.33	28.28	0.58	100.0	1.06	1.04	1.04
120.0	9.67	9.63	9.65	9.67	9.64	9.61	0.05	36.73	52.40	52.13	28.18	0.70	120.0	1.06	1.04	1.04
140.0	9.69	9.66	9.67	9.70	9.67	9.64	0.06	35.92	51.18	51.52	28.05	0.80	140.0	1.07	1.04	1.03
160.0	9.71	9.68	9.70	9.72	9.70	9.66	0.05	35.13	50.36	50.74	27.88	0.90	160.0	1.08	1.04	1.03
180.0	9.74	9.71	9.72	9.75	9.72	9.69	0.05	34.40	49.50	49.72	27.71	1.00	180.0	1.09	1.04	1.03
200.0	9.76	9.73	9.75	9.76	9.75	9.71	0.05	33.80	48.84	48.93	27.57	1.10	200.0	1.09	1.04	1.03
220.0	9.78	9.76	9.77	9.79	9.77	9.73	0.06	33.35	47.53	48.30	27.44	1.20	220.0	1.10	1.04	1.02
240.0	9.81	9.78	9.80	9.82	9.79	9.76	0.06	32.98	46.96	47.86	27.29	1.30	240.0	1.11	1.03	1.02
250.0	9.82	9.80	9.81	9.83	9.81	9.77	0.06	32.81	47.20	47.73	27.20	1.34	250.0	1.11	1.03	1.02
300.0	9.88	9.86	9.87	9.90	9.87	9.83	0.07	32.04	45.23	46.22	26.83	1.59	300.0	1.12	1.03	1.02
350.0	9.95	9.94	9.94	9.96	9.94	9.90	0.07	31.89	45.47	45.38	26.54	1.82	350.0	1.13	1.02	1.02
400.0	10.02	10.01	10.02	10.03	10.02	9.96	0.07	31.57	44.32	44.60	26.26	2.02	400.0	1.11	1.02	1.03
450.0	10.09	10.09	10.10	10.10	10.09	10.03	0.08	31.54	43.46	43.99	26.09	2.20	450.0	1.08	1.02	1.04
500.0	10.16	10.18	10.18	10.17	10.16	10.10	0.08	30.70	44.00	43.43	26.13	2.29	500.0	1.05	1.02	1.05
520.0	10.19	10.20	10.21	10.20	10.19	10.12	0.10	30.39	42.36	42.83	26.21	2.34	520.0	1.04	1.03	1.05
540.0	10.22	10.23	10.25	10.23	10.22	10.14	0.11	29.98	42.29	42.90	26.21	2.35	540.0	1.03	1.03	1.06
560.0	10.25	10.27	10.28	10.27	10.25	10.17	0.11	29.33	43.77	43.26	26.30	2.34	560.0	1.05	1.04	1.05
580.0	10.29	10.32	10.32	10.31	10.28	10.21	0.12	28.52	42.84	42.75	26.61	2.35	580.0	1.08	1.04	1.05
600.0	10.33	10.36	10.37	10.36	10.31	10.24	0.14	27.80	41.05	41.70	26.94	2.35	600.0	1.11	1.05	1.05
620.0	10.38	10.40	10.42	10.41	10.36	10.27	0.17	27.22	40.92	41.12	27.12	2.32	620.0	1.14	1.06	1.06
640.0	10.43	10.46	10.47	10.45	10.40	10.31	0.18	26.60	41.45	41.21	27.30	2.28	640.0	1.19	1.07	1.05
660.0	10.48	10.52	10.53	10.51	10.45	10.36	0.19	25.89	40.72	41.02	27.62	2.26	660.0	1.23	1.08	1.05
680.0	10.55	10.58	10.61	10.59	10.49	10.40	0.22	25.22	39.53	40.15	27.86	2.22	680.0	1.27	1.09	1.05
700.0	10.64	10.66	10.69	10.68	10.57	10.46	0.25	24.71	39.14	39.33	27.83	2.21	700.0	1.32	1.10	1.05
750.0	10.87	10.92	10.95	10.93	10.77	10.67	0.31	23.77	37.31	37.93	26.69	2.14	750.0	1.46	1.12	1.05
800.0	11.23	11.28	11.30	11.29	11.07	10.97	0.37	23.38	36.52	36.46	24.39	2.28	800.0	1.60	1.15	1.06
850.0	11.66	11.73	11.77	11.73	11.47	11.36	0.46	24.03	34.85	34.71	21.73	2.41	850.0	1.72	1.17	1.08
900.0	12.13	12.20	12.24	12.21	11.96	11.83	0.45	25.61	33.30	33.42	19.44	2.95	900.0	1.82	1.18	1.11

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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