

8 Way-0° Power Splitter/Combiner

ZFSCDC-ED13099B/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	5-7	6-8			S	1	8
1.0	10.45	10.45	10.45	10.45	10.44	10.44	0.02	28.91	32.80	31.17	30.35	0.18	1.0	1.44	1.45	1.66
2.0	10.14	10.14	10.14	10.14	10.13	10.13	0.01	30.43	36.12	34.77	34.30	0.11	2.0	1.27	1.31	1.43
4.0	9.89	9.89	9.89	9.89	9.89	9.89	0.01	32.38	38.01	37.05	37.22	0.09	4.0	1.16	1.22	1.28
6.0	9.80	9.80	9.80	9.80	9.80	9.80	0.00	33.41	38.61	37.73	38.20	0.05	6.0	1.11	1.19	1.23
8.0	9.76	9.76	9.76	9.76	9.76	9.75	0.00	33.99	38.90	38.07	38.58	0.07	8.0	1.09	1.18	1.20
10.0	9.74	9.74	9.74	9.74	9.73	9.73	0.00	34.31	39.12	38.21	38.67	0.05	10.0	1.07	1.17	1.18
20.0	9.72	9.72	9.72	9.72	9.72	9.72	0.00	34.72	39.47	38.62	38.66	0.07	20.0	1.03	1.15	1.16
30.0	9.72	9.73	9.72	9.73	9.72	9.73	0.00	34.69	39.72	38.74	38.51	0.10	30.0	1.01	1.15	1.15
40.0	9.74	9.74	9.73	9.74	9.74	9.74	0.01	34.47	39.71	38.74	38.41	0.16	40.0	1.02	1.15	1.15
50.0	9.75	9.75	9.75	9.75	9.75	9.75	0.01	34.19	39.69	38.82	38.39	0.16	50.0	1.03	1.15	1.15
60.0	9.76	9.76	9.76	9.76	9.76	9.76	0.01	33.91	39.66	38.75	38.32	0.20	60.0	1.04	1.15	1.15
70.0	9.77	9.77	9.77	9.77	9.77	9.78	0.01	33.56	39.57	38.68	38.44	0.24	70.0	1.05	1.15	1.15
80.0	9.78	9.78	9.78	9.78	9.78	9.79	0.01	33.31	39.53	38.51	38.37	0.26	80.0	1.06	1.15	1.15
90.0	9.79	9.79	9.79	9.79	9.79	9.80	0.01	32.90	39.40	38.43	38.36	0.28	90.0	1.07	1.15	1.15
100.0	9.80	9.80	9.79	9.80	9.80	9.81	0.01	32.59	39.26	38.18	38.31	0.36	100.0	1.08	1.15	1.15
110.0	9.80	9.81	9.80	9.81	9.81	9.82	0.02	32.24	39.15	38.06	38.26	0.39	110.0	1.09	1.15	1.15
120.0	9.81	9.82	9.81	9.82	9.82	9.83	0.02	31.91	38.87	37.92	38.18	0.40	120.0	1.10	1.15	1.15
130.0	9.82	9.83	9.82	9.83	9.84	9.84	0.02	31.56	38.81	37.70	38.16	0.41	130.0	1.11	1.15	1.15
140.0	9.83	9.84	9.83	9.83	9.84	9.85	0.02	31.17	38.64	37.49	38.04	0.47	140.0	1.12	1.15	1.15
150.0	9.84	9.85	9.84	9.84	9.86	9.86	0.03	30.88	38.43	37.27	37.92	0.48	150.0	1.13	1.15	1.15
160.0	9.85	9.86	9.85	9.85	9.87	9.87	0.03	30.56	38.30	37.03	37.77	0.55	160.0	1.14	1.15	1.15
170.0	9.85	9.86	9.86	9.86	9.87	9.88	0.03	30.26	38.07	36.79	37.52	0.57	170.0	1.15	1.15	1.15
180.0	9.86	9.87	9.86	9.87	9.89	9.89	0.03	29.93	37.95	36.60	37.34	0.58	180.0	1.16	1.15	1.15
200.0	9.88	9.89	9.88	9.88	9.91	9.92	0.04	29.24	37.68	36.10	36.85	0.66	200.0	1.18	1.15	1.15
250.0	9.92	9.94	9.93	9.93	9.97	9.98	0.06	27.64	37.21	35.04	35.40	0.78	250.0	1.22	1.15	1.15
300.0	9.97	10.00	9.99	9.98	10.04	10.05	0.09	25.96	37.29	34.10	34.06	0.99	300.0	1.25	1.14	1.14
350.0	10.02	10.06	10.05	10.05	10.11	10.12	0.10	24.24	38.59	33.57	33.02	1.23	350.0	1.29	1.14	1.13
400.0	10.09	10.12	10.11	10.12	10.20	10.21	0.12	22.56	41.85	33.44	32.68	1.57	400.0	1.32	1.12	1.11
450.0	10.17	10.21	10.20	10.23	10.31	10.31	0.14	21.00	49.87	33.80	33.14	1.86	450.0	1.36	1.09	1.08
500.0	10.28	10.30	10.32	10.37	10.45	10.43	0.17	19.61	40.80	34.26	34.37	2.22	500.0	1.43	1.07	1.06
540.0	10.41	10.42	10.46	10.53	10.61	10.58	0.20	18.71	34.74	33.98	34.93	2.45	540.0	1.50	1.07	1.07
580.0	10.57	10.55	10.62	10.72	10.79	10.74	0.24	18.00	30.61	32.44	33.28	2.69	580.0	1.59	1.09	1.11
620.0	10.76	10.73	10.83	10.96	11.03	10.96	0.30	17.44	27.54	30.11	30.13	2.88	620.0	1.71	1.13	1.16
660.0	10.98	10.92	11.05	11.23	11.27	11.19	0.35	17.10	25.09	27.68	26.81	3.05	660.0	1.84	1.18	1.21

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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