

8 Way-0° Power Splitter/Combiner with Coupler

ZFSCDC8-ED13202/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	COUPLING (dB)						FREQ. (MHz)	VSWR (:1)			
	J9-J1	J9-J2	J9-J3	J9-J4	J9-J6	J9-J8		J11-J2	J2-J4	J5-J7	J6-J8		J10-J1	J10-J2	J10-J3	J10-J4	J10-J6	J10-J8		J9	J1	J8	J10
5.0	10.69	10.69	10.70	10.70	10.66	10.64	0.06	29.29	31.99	31.96	32.64	0.47	20.31	20.31	20.33	20.32	20.27	20.26	5.0	1.14	1.19	1.19	1.18
7.0	10.63	10.61	10.62	10.63	10.59	10.58	0.04	29.94	32.11	31.83	32.64	0.37	20.26	20.26	20.26	20.26	20.22	20.24	7.0	1.10	1.15	1.15	1.14
9.0	10.59	10.59	10.58	10.59	10.56	10.56	0.03	30.29	32.17	31.99	32.73	0.30	20.22	20.24	20.23	20.23	20.21	20.20	9.0	1.08	1.13	1.13	1.12
10.0	10.59	10.57	10.57	10.58	10.55	10.55	0.04	30.37	32.16	32.02	32.83	0.26	20.23	20.22	20.22	20.22	20.21	20.23	10.0	1.07	1.12	1.12	1.11
20.0	10.58	10.56	10.57	10.58	10.56	10.54	0.03	30.75	32.42	32.51	33.00	0.21	20.23	20.22	20.21	20.22	20.18	20.21	20.0	1.03	1.09	1.09	1.08
30.0	10.60	10.58	10.59	10.60	10.57	10.57	0.03	30.64	32.53	32.81	33.19	0.11	20.24	20.23	20.23	20.24	20.22	20.22	30.0	1.02	1.09	1.09	1.08
40.0	10.62	10.60	10.60	10.62	10.59	10.60	0.02	30.53	32.60	32.93	33.17	0.13	20.27	20.26	20.26	20.26	20.23	20.25	40.0	1.02	1.09	1.09	1.08
50.0	10.64	10.61	10.62	10.64	10.61	10.61	0.02	30.34	32.65	32.98	33.12	0.23	20.28	20.28	20.28	20.29	20.27	20.26	50.0	1.02	1.09	1.09	1.08
60.0	10.65	10.63	10.64	10.65	10.63	10.63	0.03	30.19	32.55	32.94	33.09	0.32	20.30	20.30	20.29	20.30	20.29	20.28	60.0	1.02	1.09	1.09	1.08
70.0	10.67	10.65	10.65	10.66	10.65	10.65	0.02	30.00	32.54	32.94	32.99	0.39	20.32	20.31	20.31	20.31	20.31	20.30	70.0	1.03	1.09	1.09	1.08
80.0	10.68	10.67	10.67	10.68	10.66	10.66	0.02	29.79	32.34	32.90	32.92	0.39	20.33	20.32	20.32	20.33	20.30	20.31	80.0	1.04	1.08	1.08	1.08
90.0	10.69	10.68	10.69	10.69	10.68	10.68	0.01	29.61	32.36	32.78	32.79	0.47	20.36	20.36	20.35	20.35	20.32	20.33	90.0	1.04	1.08	1.08	1.08
100.0	10.71	10.69	10.70	10.71	10.70	10.69	0.02	29.40	32.23	32.63	32.71	0.55	20.36	20.36	20.36	20.36	20.35	20.36	100.0	1.05	1.08	1.08	1.08
110.0	10.73	10.71	10.72	10.73	10.71	10.70	0.02	29.16	32.14	32.52	32.64	0.58	20.39	20.38	20.37	20.37	20.37	20.36	110.0	1.05	1.08	1.07	1.08
120.0	10.74	10.72	10.73	10.74	10.72	10.72	0.02	28.92	32.01	32.39	32.49	0.63	20.39	20.40	20.39	20.38	20.38	20.38	120.0	1.06	1.08	1.07	1.07
130.0	10.75	10.74	10.75	10.75	10.74	10.74	0.02	28.68	31.89	32.23	32.33	0.73	20.40	20.41	20.40	20.39	20.38	20.39	130.0	1.06	1.08	1.07	1.07
140.0	10.76	10.74	10.76	10.76	10.75	10.74	0.02	28.42	31.78	32.14	32.22	0.75	20.41	20.40	20.42	20.41	20.40	20.41	140.0	1.07	1.08	1.06	1.07
150.0	10.77	10.75	10.77	10.77	10.76	10.75	0.02	28.22	31.62	32.01	32.01	0.88	20.43	20.43	20.42	20.41	20.42	20.40	150.0	1.08	1.08	1.06	1.07
160.0	10.79	10.77	10.78	10.78	10.77	10.77	0.02	27.94	31.50	31.80	31.90	0.93	20.44	20.44	20.43	20.42	20.42	20.41	160.0	1.09	1.07	1.06	1.07
170.0	10.80	10.78	10.79	10.79	10.78	10.78	0.02	27.65	31.36	31.65	31.75	0.96	20.44	20.45	20.43	20.42	20.43	20.43	170.0	1.10	1.07	1.05	1.06
180.0	10.82	10.80	10.82	10.81	10.81	10.80	0.02	27.47	31.21	31.49	31.59	1.04	20.47	20.46	20.47	20.46	20.45	20.45	180.0	1.10	1.07	1.04	1.06
200.0	10.84	10.82	10.83	10.83	10.82	10.81	0.02	27.00	30.91	31.14	31.27	1.17	20.48	20.47	20.49	20.49	20.47	20.47	200.0	1.12	1.06	1.04	1.05
220.0	10.86	10.84	10.85	10.86	10.84	10.83	0.03	26.53	30.64	30.84	30.98	1.24	20.50	20.50	20.50	20.49	20.48	20.48	220.0	1.13	1.06	1.03	1.05
240.0	10.88	10.86	10.88	10.88	10.87	10.85	0.03	26.10	30.38	30.49	30.75	1.35	20.54	20.51	20.52	20.52	20.51	20.51	240.0	1.14	1.06	1.03	1.04
260.0	10.91	10.89	10.90	10.91	10.89	10.88	0.03	25.67	30.03	30.16	30.49	1.45	20.54	20.54	20.54	20.53	20.53	20.51	260.0	1.16	1.05	1.04	1.04
280.0	10.94	10.91	10.93	10.93	10.92	10.91	0.03	25.27	29.77	29.78	30.22	1.61	20.57	20.56	20.57	20.55	20.56	20.55	280.0	1.17	1.04	1.05	1.03
300.0	10.95	10.93	10.96	10.95	10.95	10.93	0.03	24.88	29.45	29.48	29.98	1.70	20.58	20.57	20.58	20.58	20.57	20.57	300.0	1.18	1.03	1.07	1.02
400.0	11.09	11.05	11.09	11.08	11.07	11.03	0.06	23.23	28.35	28.14	28.93	2.23	20.67	20.65	20.69	20.66	20.66	20.63	400.0	1.24	1.02	1.14	1.02
500.0	11.24	11.20	11.27	11.22	11.21	11.17	0.09	21.76	27.78	27.41	28.11	2.68	20.80	20.78	20.80	20.76	20.78	20.72	500.0	1.30	1.07	1.21	1.05
600.0	11.46	11.43	11.48	11.43	11.41	11.37	0.11	20.28	27.11	26.78	27.19	3.17	20.97	20.97	20.99	20.93	20.94	20.89	600.0	1.35	1.14	1.25	1.10
700.0	11.76	11.77	11.81	11.73	11.72	11.69	0.12	18.81	25.85	25.80	26.42	3.61	21.24	21.29	21.26	21.23	21.24	21.18	700.0	1.36	1.23	1.25	1.16

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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