

8 Way-0° Power Splitter/Combiner with Coupler

ZFSCDC8-ED13201/1

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	10.34	10.34	10.34	10.50	10.34	10.34	0.16	26.31	44.76	51.21	46.45	0.07	20.04	20.05	20.05	20.04	20.05	20.05	5.0	1.14	1.14	1.14	1.18
7.0	10.28	10.29	10.29	10.44	10.29	10.29	0.16	26.54	50.18	50.95	50.05	0.08	19.98	19.99	19.99	19.98	19.99	19.99	7.0	1.12	1.11	1.11	1.16
9.0	10.26	10.27	10.26	10.42	10.26	10.27	0.16	26.66	56.73	50.24	51.81	0.09	19.96	19.97	19.97	19.97	19.97	19.98	9.0	1.11	1.09	1.09	1.14
10.0	10.25	10.26	10.26	10.42	10.26	10.26	0.16	26.68	61.20	49.50	51.56	0.08	19.95	19.97	19.96	19.96	19.96	19.97	10.0	1.11	1.09	1.08	1.14
20.0	10.26	10.27	10.27	10.42	10.26	10.27	0.16	26.83	47.90	45.11	45.79	0.12	19.97	19.98	19.97	19.97	19.97	19.98	20.0	1.10	1.07	1.06	1.13
30.0	10.29	10.30	10.29	10.45	10.29	10.30	0.16	26.87	42.81	42.01	42.14	0.17	19.99	20.00	19.99	19.99	20.00	20.01	30.0	1.10	1.06	1.06	1.13
40.0	10.31	10.32	10.32	10.47	10.32	10.32	0.16	26.88	39.89	39.77	39.65	0.21	20.02	20.03	20.02	20.02	20.03	20.04	40.0	1.10	1.06	1.06	1.13
50.0	10.34	10.34	10.34	10.50	10.35	10.35	0.16	26.89	37.88	38.04	37.89	0.27	20.04	20.06	20.06	20.05	20.06	20.06	50.0	1.11	1.06	1.06	1.13
60.0	10.37	10.37	10.37	10.53	10.37	10.37	0.16	26.91	36.31	36.67	36.42	0.30	20.08	20.08	20.09	20.08	20.08	20.09	60.0	1.12	1.06	1.06	1.13
70.0	10.39	10.39	10.39	10.56	10.40	10.40	0.17	26.94	35.07	35.50	35.29	0.34	20.11	20.11	20.11	20.10	20.11	20.11	70.0	1.12	1.06	1.06	1.13
80.0	10.41	10.41	10.41	10.58	10.42	10.42	0.17	26.97	34.07	34.54	34.30	0.39	20.13	20.13	20.14	20.13	20.14	20.14	80.0	1.13	1.06	1.06	1.13
90.0	10.43	10.43	10.43	10.59	10.43	10.44	0.16	26.99	33.19	33.72	33.49	0.45	20.15	20.16	20.16	20.15	20.15	20.16	90.0	1.14	1.06	1.06	1.13
100.0	10.45	10.45	10.45	10.61	10.45	10.45	0.16	27.01	32.48	33.00	32.79	0.45	20.17	20.17	20.18	20.17	20.17	20.18	100.0	1.14	1.06	1.07	1.12
110.0	10.46	10.46	10.46	10.63	10.47	10.47	0.17	27.03	31.87	32.40	32.20	0.47	20.18	20.19	20.19	20.19	20.19	20.20	110.0	1.15	1.06	1.07	1.12
120.0	10.48	10.48	10.48	10.63	10.49	10.49	0.15	27.07	31.33	31.90	31.72	0.54	20.20	20.21	20.22	20.20	20.22	20.22	120.0	1.15	1.06	1.07	1.12
130.0	10.49	10.50	10.50	10.66	10.51	10.51	0.16	27.12	30.88	31.49	31.31	0.65	20.21	20.23	20.24	20.22	20.24	20.24	130.0	1.16	1.06	1.07	1.13
140.0	10.51	10.52	10.52	10.68	10.52	10.53	0.17	27.16	30.53	31.13	30.98	0.72	20.24	20.25	20.26	20.24	20.26	20.27	140.0	1.16	1.06	1.07	1.13
150.0	10.53	10.53	10.54	10.70	10.54	10.54	0.17	27.22	30.25	30.84	30.72	0.74	20.26	20.27	20.28	20.27	20.28	20.29	150.0	1.16	1.06	1.07	1.13
160.0	10.54	10.54	10.55	10.71	10.55	10.56	0.17	27.27	30.01	30.60	30.50	0.77	20.27	20.29	20.29	20.29	20.30	20.30	160.0	1.16	1.06	1.07	1.13
170.0	10.56	10.56	10.56	10.72	10.56	10.57	0.17	27.32	29.82	30.43	30.33	0.81	20.29	20.29	20.31	20.30	20.31	20.32	170.0	1.16	1.05	1.07	1.13
180.0	10.56	10.56	10.57	10.73	10.57	10.58	0.17	27.38	29.69	30.29	30.23	0.82	20.29	20.31	20.32	20.30	20.32	20.33	180.0	1.16	1.05	1.07	1.13
200.0	10.58	10.58	10.59	10.75	10.60	10.60	0.17	27.50	29.56	30.18	30.17	0.87	20.31	20.33	20.35	20.32	20.35	20.36	200.0	1.16	1.05	1.07	1.14
220.0	10.60	10.60	10.61	10.77	10.63	10.62	0.17	27.63	29.65	30.27	30.31	1.00	20.34	20.35	20.37	20.35	20.38	20.39	220.0	1.15	1.05	1.06	1.14
240.0	10.62	10.62	10.63	10.79	10.64	10.65	0.18	27.71	29.91	30.52	30.62	1.12	20.36	20.38	20.40	20.38	20.41	20.41	240.0	1.14	1.04	1.06	1.15
260.0	10.63	10.63	10.64	10.80	10.66	10.66	0.18	27.73	30.32	30.92	31.06	1.16	20.38	20.39	20.41	20.40	20.42	20.43	260.0	1.12	1.04	1.06	1.16
280.0	10.64	10.64	10.66	10.81	10.68	10.67	0.18	27.68	30.93	31.52	31.67	1.27	20.39	20.41	20.43	20.41	20.45	20.45	280.0	1.11	1.04	1.06	1.17
300.0	10.65	10.66	10.69	10.84	10.71	10.70	0.19	27.55	31.69	32.27	32.47	1.37	20.42	20.44	20.47	20.44	20.49	20.48	300.0	1.09	1.03	1.06	1.17
400.0	10.81	10.82	10.86	11.03	10.90	10.87	0.22	25.46	35.85	36.01	35.55	1.77	20.66	20.68	20.70	20.69	20.74	20.71	400.0	1.10	1.05	1.08	1.21
500.0	11.04	11.05	11.10	11.29	11.15	11.11	0.25	23.26	35.00	35.37	35.35	2.03	21.01	21.04	21.04	21.06	21.09	21.04	500.0	1.25	1.06	1.10	1.24
600.0	11.19	11.21	11.29	11.47	11.34	11.25	0.28	22.51	41.61	41.11	42.67	2.22	21.27	21.32	21.35	21.37	21.40	21.28	600.0	1.29	1.05	1.08	1.30
700.0	11.29	11.33	11.44	11.61	11.52	11.37	0.32	23.03	33.93	31.83	30.98	2.82	21.52	21.58	21.69	21.65	21.74	21.56	700.0	1.12	1.05	1.10	1.43

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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