

4 Way-0° Power Splitter/Combiner

ZFSCDC-ED13097B/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
1.0	7.07	7.07	7.07	7.07	0.00	25.11	48.04	27.57	0.03	1.0	1.42	1.59	1.59	1.54	1.54
2.0	6.81	6.81	6.81	6.81	0.00	28.86	46.85	31.47	0.02	2.0	1.27	1.35	1.35	1.33	1.32
4.0	6.65	6.65	6.65	6.65	0.00	33.15	46.21	35.90	0.04	4.0	1.19	1.21	1.21	1.19	1.19
6.0	6.60	6.59	6.59	6.59	0.00	36.20	45.96	38.66	0.03	6.0	1.15	1.16	1.16	1.14	1.14
8.0	6.57	6.57	6.57	6.57	0.00	38.48	45.70	40.55	0.02	8.0	1.14	1.13	1.13	1.12	1.12
10.0	6.56	6.55	6.56	6.56	0.01	40.26	45.58	41.87	0.03	10.0	1.13	1.11	1.11	1.10	1.10
20.0	6.54	6.54	6.54	6.54	0.01	45.70	44.72	44.24	0.03	20.0	1.11	1.08	1.08	1.08	1.08
30.0	6.55	6.54	6.55	6.55	0.00	47.01	43.51	44.09	0.05	30.0	1.11	1.07	1.07	1.07	1.07
40.0	6.55	6.55	6.55	6.55	0.00	45.89	42.29	43.15	0.08	40.0	1.10	1.07	1.07	1.07	1.07
50.0	6.56	6.56	6.56	6.56	0.00	44.08	41.21	42.21	0.11	50.0	1.10	1.07	1.07	1.07	1.07
60.0	6.57	6.57	6.57	6.57	0.00	42.87	40.07	41.16	0.09	60.0	1.10	1.07	1.07	1.06	1.06
70.0	6.57	6.57	6.57	6.57	0.00	41.62	39.12	40.34	0.13	70.0	1.09	1.07	1.07	1.06	1.06
80.0	6.58	6.58	6.58	6.58	0.00	40.51	38.23	39.36	0.14	80.0	1.09	1.06	1.07	1.06	1.06
90.0	6.59	6.59	6.59	6.59	0.00	39.56	37.35	38.59	0.17	90.0	1.09	1.06	1.06	1.06	1.06
100.0	6.60	6.59	6.60	6.60	0.01	38.83	36.51	37.87	0.18	100.0	1.09	1.06	1.06	1.06	1.06
110.0	6.61	6.60	6.60	6.61	0.00	38.10	35.83	37.15	0.19	110.0	1.09	1.06	1.06	1.06	1.06
120.0	6.61	6.61	6.61	6.62	0.00	37.44	35.16	36.60	0.23	120.0	1.08	1.06	1.06	1.06	1.06
130.0	6.62	6.62	6.62	6.62	0.01	36.81	34.63	36.14	0.24	130.0	1.08	1.06	1.06	1.06	1.06
140.0	6.63	6.62	6.63	6.63	0.01	36.26	34.14	35.68	0.25	140.0	1.08	1.05	1.06	1.06	1.06
150.0	6.64	6.63	6.64	6.64	0.01	35.78	33.71	35.22	0.27	150.0	1.07	1.05	1.06	1.06	1.06
160.0	6.64	6.64	6.64	6.65	0.01	35.30	33.23	34.83	0.28	160.0	1.07	1.05	1.06	1.06	1.06
170.0	6.65	6.65	6.65	6.66	0.01	34.88	32.76	34.38	0.31	170.0	1.07	1.05	1.05	1.05	1.05
180.0	6.66	6.65	6.66	6.66	0.01	34.52	32.36	34.02	0.32	180.0	1.06	1.05	1.05	1.05	1.05
200.0	6.68	6.67	6.68	6.68	0.01	33.84	31.63	33.41	0.36	200.0	1.06	1.04	1.05	1.05	1.05
250.0	6.71	6.71	6.72	6.73	0.02	32.53	30.07	32.06	0.45	250.0	1.05	1.03	1.04	1.04	1.04
300.0	6.75	6.75	6.76	6.77	0.02	31.69	29.11	31.44	0.55	300.0	1.07	1.03	1.04	1.03	1.03
350.0	6.79	6.79	6.81	6.82	0.03	31.06	28.14	30.74	0.62	350.0	1.11	1.01	1.02	1.02	1.02
400.0	6.84	6.83	6.86	6.87	0.04	30.62	27.31	30.13	0.72	400.0	1.16	1.01	1.02	1.02	1.02
450.0	6.88	6.88	6.90	6.92	0.05	30.17	26.79	29.86	0.80	450.0	1.22	1.01	1.02	1.02	1.02
500.0	6.93	6.93	6.96	6.98	0.06	29.74	25.99	29.33	0.92	500.0	1.28	1.01	1.02	1.01	1.02
540.0	6.99	6.98	7.01	7.04	0.06	29.20	25.42	28.54	0.95	540.0	1.35	1.01	1.02	1.02	1.03
580.0	7.05	7.04	7.07	7.11	0.07	28.61	24.91	28.17	1.06	580.0	1.42	1.02	1.03	1.03	1.03
620.0	7.12	7.11	7.14	7.18	0.07	27.90	24.24	27.35	1.09	620.0	1.50	1.03	1.04	1.05	1.05
660.0	7.21	7.20	7.24	7.28	0.07	27.06	23.52	26.56	1.19	660.0	1.58	1.05	1.06	1.07	1.06
700.0	7.33	7.30	7.34	7.38	0.08	26.30	22.79	25.64	1.36	700.0	1.66	1.07	1.08	1.09	1.08

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

REV. X2

ZFSCDC-13097B/1

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Page 1 of 1