

2 Way-0° Power Splitter/Combiner

ZAPD-ED13005/1

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹ (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1.0	3.70	3.72	0.02	12.72	0.14	1.0	1.17	2.22	2.22
2.0	3.55	3.57	0.02	14.77	0.11	2.0	1.10	1.88	1.88
3.0	3.50	3.51	0.01	16.33	0.07	3.0	1.07	1.72	1.71
4.0	3.47	3.49	0.01	17.55	0.07	4.0	1.06	1.63	1.62
5.0	3.46	3.47	0.01	18.47	0.07	5.0	1.05	1.57	1.57
6.0	3.45	3.46	0.01	19.17	0.06	6.0	1.04	1.54	1.53
7.0	3.45	3.46	0.01	19.73	0.06	7.0	1.04	1.51	1.51
8.0	3.44	3.45	0.01	20.16	0.05	8.0	1.04	1.49	1.49
9.0	3.44	3.45	0.01	20.52	0.05	9.0	1.03	1.48	1.48
10.0	3.44	3.45	0.01	20.81	0.06	10.0	1.03	1.47	1.47
20.0	3.44	3.45	0.01	21.86	0.05	20.0	1.03	1.44	1.44
30.0	3.45	3.46	0.01	22.00	0.03	30.0	1.03	1.43	1.43
40.0	3.46	3.47	0.01	22.00	0.04	40.0	1.03	1.43	1.43
50.0	3.46	3.47	0.01	22.00	0.03	50.0	1.03	1.43	1.43
60.0	3.47	3.48	0.01	22.03	0.03	60.0	1.03	1.43	1.43
70.0	3.47	3.48	0.01	22.06	0.00	70.0	1.04	1.43	1.42
80.0	3.47	3.49	0.01	22.09	0.01	80.0	1.04	1.42	1.42
90.0	3.48	3.49	0.01	22.12	0.01	90.0	1.04	1.42	1.42
100.0	3.48	3.50	0.02	22.14	0.04	100.0	1.05	1.42	1.41
150.0	3.49	3.50	0.01	22.30	0.00	150.0	1.05	1.41	1.41
200.0	3.50	3.51	0.01	22.51	0.10	200.0	1.07	1.40	1.39
250.0	3.50	3.52	0.02	22.73	0.09	250.0	1.09	1.39	1.39
300.0	3.51	3.52	0.01	22.97	0.10	300.0	1.11	1.38	1.37
350.0	3.53	3.52	0.00	23.11	0.14	350.0	1.13	1.38	1.37
400.0	3.54	3.54	0.00	23.41	0.18	400.0	1.15	1.37	1.36
450.0	3.56	3.54	0.02	23.53	0.02	450.0	1.16	1.37	1.35
500.0	3.58	3.56	0.03	23.96	0.12	500.0	1.17	1.36	1.35
550.0	3.61	3.59	0.02	24.12	0.02	550.0	1.19	1.36	1.34
600.0	3.63	3.59	0.04	24.68	0.12	600.0	1.20	1.35	1.34
650.0	3.66	3.62	0.04	25.10	0.09	650.0	1.22	1.34	1.32
700.0	3.68	3.65	0.03	25.86	0.31	700.0	1.23	1.34	1.32
750.0	3.70	3.65	0.05	26.81	0.39	750.0	1.23	1.33	1.30
800.0	3.71	3.69	0.02	28.06	0.36	800.0	1.24	1.32	1.29
850.0	3.73	3.71	0.01	29.70	0.60	850.0	1.24	1.31	1.28
900.0	3.71	3.71	0.00	32.55	0.55	900.0	1.24	1.31	1.27
950.0	3.73	3.75	0.02	35.03	0.60	950.0	1.24	1.29	1.25
1000.0	3.71	3.74	0.03	43.73	0.55	1000.0	1.24	1.29	1.24
1100.0	3.72	3.76	0.03	34.81	0.39	1100.0	1.22	1.26	1.21
1200.0	3.76	3.78	0.02	28.29	0.35	1200.0	1.21	1.23	1.17
1300.0	3.82	3.83	0.01	25.07	0.43	1300.0	1.18	1.20	1.13
1375.0	3.88	3.89	0.01	23.64	0.40	1375.0	1.17	1.18	1.11
1400.0	3.88	3.89	0.01	23.83	0.45	1400.0	1.17	1.17	1.10
1500.0	3.94	3.94	0.00	23.70	0.57	1500.0	1.15	1.15	1.06
1600.0	3.94	3.93	0.01	24.33	0.71	1600.0	1.16	1.13	1.04
1700.0	3.88	3.87	0.00	26.59	0.99	1700.0	1.17	1.11	1.05
1800.0	3.80	3.84	0.04	31.66	1.32	1800.0	1.19	1.08	1.07
1900.0	3.79	3.89	0.10	29.30	1.38	1900.0	1.20	1.06	1.08
2000.0	3.84	3.97	0.13	23.83	1.15	2000.0	1.20	1.04	1.07
2100.0	3.89	4.01	0.12	20.20	0.99	2100.0	1.19	1.05	1.07
2200.0	3.90	4.02	0.12	17.66	1.16	2200.0	1.17	1.08	1.04
2300.0	3.87	4.07	0.20	16.24	1.39	2300.0	1.15	1.12	1.03
2400.0	3.89	4.26	0.36	16.04	0.57	2400.0	1.12	1.18	1.05
2500.0	4.01	4.41	0.40	16.79	1.37	2500.0	1.11	1.25	1.10
2600.0	4.21	4.40	0.19	18.37	3.21	2600.0	1.14	1.33	1.16
2700.0	4.46	4.30	0.16	21.70	4.00	2700.0	1.19	1.43	1.22
2750.0	4.57	4.37	0.20	23.86	4.98	2750.0	1.22	1.47	1.27
2800.0	4.78	4.30	0.48	30.14	3.87	2800.0	1.27	1.52	1.31
2900.0	5.09	4.32	0.77	31.02	3.20	2900.0	1.40	1.59	1.42
3000.0	5.49	4.38	1.11	23.17	2.11	3000.0	1.59	1.69	1.53

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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