

2 Way-0° Power Splitter/Combiner

ZAPD-ED12950/1

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	1	2
1.0	3.52	3.51	0.01	18.02	0.05	1.0	1.13	1.62	1.62
2.0	3.41	3.39	0.01	21.31	0.07	2.0	1.09	1.38	1.39
3.0	3.36	3.36	0.01	23.14	0.07	3.0	1.08	1.29	1.29
4.0	3.34	3.33	0.01	24.25	0.04	4.0	1.07	1.23	1.23
5.0	3.33	3.32	0.00	24.94	0.03	5.0	1.07	1.20	1.20
6.0	3.32	3.31	0.01	25.41	0.04	6.0	1.07	1.17	1.17
7.0	3.31	3.30	0.01	25.74	0.03	7.0	1.07	1.15	1.15
8.0	3.32	3.30	0.01	25.98	0.06	8.0	1.07	1.14	1.14
9.0	3.31	3.30	0.01	26.17	0.05	9.0	1.07	1.13	1.13
10.0	3.31	3.30	0.00	26.33	0.03	10.0	1.07	1.12	1.12
20.0	3.31	3.30	0.01	26.97	0.03	20.0	1.07	1.09	1.09
40.0	3.33	3.31	0.01	27.24	0.06	40.0	1.07	1.09	1.09
60.0	3.33	3.32	0.01	27.21	0.03	60.0	1.08	1.09	1.09
80.0	3.34	3.34	0.01	27.02	0.07	80.0	1.08	1.09	1.09
100.0	3.35	3.35	0.01	26.86	0.06	100.0	1.09	1.09	1.09
150.0	3.37	3.36	0.02	26.51	0.08	150.0	1.11	1.10	1.09
200.0	3.38	3.38	0.01	25.60	0.03	200.0	1.14	1.11	1.10
250.0	3.41	3.40	0.01	24.99	0.08	250.0	1.16	1.12	1.11
300.0	3.42	3.41	0.01	24.22	0.06	300.0	1.19	1.14	1.12
350.0	3.46	3.44	0.02	23.24	0.06	350.0	1.22	1.15	1.14
400.0	3.47	3.46	0.01	22.89	0.06	400.0	1.24	1.16	1.15
450.0	3.51	3.49	0.02	21.69	0.12	450.0	1.27	1.18	1.16
500.0	3.53	3.51	0.02	21.71	0.09	500.0	1.30	1.19	1.18
550.0	3.57	3.56	0.01	20.48	0.11	550.0	1.33	1.21	1.19
600.0	3.60	3.57	0.03	20.59	0.19	600.0	1.36	1.22	1.20
650.0	3.64	3.61	0.03	19.63	0.11	650.0	1.39	1.24	1.22
700.0	3.67	3.66	0.01	19.47	0.23	700.0	1.42	1.25	1.23
750.0	3.68	3.64	0.04	19.22	0.26	750.0	1.45	1.27	1.25
800.0	3.77	3.75	0.02	18.45	0.12	800.0	1.48	1.28	1.26
900.0	3.83	3.79	0.04	17.61	0.24	900.0	1.54	1.31	1.30
950.0	3.80	3.77	0.03	18.79	0.43	950.0	1.58	1.33	1.32
1000.0	3.85	3.82	0.02	17.12	0.41	1000.0	1.61	1.35	1.34
1100.0	3.89	3.89	0.01	16.97	0.18	1100.0	1.67	1.39	1.37
1200.0	3.99	3.94	0.05	16.83	0.08	1200.0	1.73	1.42	1.41
1300.0	4.07	3.93	0.13	16.77	0.38	1300.0	1.79	1.46	1.45
1400.0	4.14	4.02	0.13	17.10	1.12	1400.0	1.84	1.49	1.49
1500.0	4.25	4.21	0.05	17.25	1.63	1500.0	1.87	1.51	1.51
1600.0	4.38	4.38	0.00	17.09	1.56	1600.0	1.89	1.52	1.53
1700.0	4.53	4.55	0.01	16.82	1.64	1700.0	1.90	1.53	1.54
1800.0	4.57	4.61	0.04	16.43	2.12	1800.0	1.88	1.52	1.54
1900.0	4.62	4.66	0.04	16.74	1.99	1900.0	1.84	1.50	1.52
2000.0	4.67	4.69	0.02	17.14	2.02	2000.0	1.77	1.48	1.49
2100.0	4.70	4.66	0.04	17.31	2.01	2100.0	1.68	1.44	1.45
2200.0	4.64	4.58	0.06	18.11	2.43	2200.0	1.59	1.39	1.40
2300.0	4.47	4.49	0.02	20.60	2.68	2300.0	1.48	1.34	1.35
2400.0	4.44	4.48	0.03	23.33	2.38	2400.0	1.37	1.28	1.29
2500.0	4.52	4.52	0.00	22.33	2.12	2500.0	1.26	1.23	1.25
2600.0	4.64	4.59	0.05	21.42	2.15	2600.0	1.16	1.19	1.21
2700.0	5.05	5.00	0.05	20.20	1.93	2700.0	1.02	1.18	1.20
2800.0	5.14	4.90	0.24	21.01	2.18	2800.0	1.09	1.24	1.25
2900.0	5.26	5.01	0.25	19.57	2.64	2900.0	1.07	1.29	1.27
3000.0	5.49	5.19	0.30	19.77	2.83	3000.0	1.11	1.36	1.32
3100.0	5.90	5.62	0.28	20.40	2.67	3100.0	1.20	1.44	1.36
3200.0	6.70	6.31	0.38	17.19	1.99	3200.0	1.34	1.51	1.40
3300.0	7.88	7.32	0.56	13.98	0.76	3300.0	1.56	1.55	1.40

¹ Total Loss = Insertion Loss+ 3dB Splitter Loss

REV. X2

ZAPD-ED12950/1

110104

Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

minicircuits.com