

4 Way-0° Power Splitter/Combiner

SCA-ED10669A/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹				AMP. UNBAL. (dB)	ISOLATION			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
5.00	6.37	6.22	6.35	6.52	0.30	29.32	36.36	33.10	0.65	5.00	1.05	1.33	1.28	1.29	1.34
10.00	6.37	6.24	6.36	6.52	0.28	31.21	38.25	34.59	0.32	10.00	1.04	1.29	1.25	1.25	1.30
15.00	6.38	6.25	6.36	6.52	0.27	31.60	38.71	34.87	0.22	15.00	1.03	1.27	1.24	1.24	1.29
20.00	6.38	6.25	6.36	6.51	0.27	31.56	38.76	34.85	0.14	20.00	1.04	1.27	1.23	1.24	1.28
25.00	6.38	6.25	6.36	6.52	0.27	31.41	38.67	34.74	0.12	25.00	1.04	1.27	1.23	1.24	1.28
30.00	6.39	6.25	6.37	6.53	0.27	31.24	38.54	34.57	0.13	30.00	1.04	1.27	1.23	1.24	1.28
35.00	6.39	6.26	6.37	6.53	0.27	31.07	38.42	34.35	0.12	35.00	1.04	1.27	1.23	1.24	1.28
40.00	6.40	6.27	6.38	6.54	0.27	30.91	38.29	34.12	0.13	40.00	1.04	1.27	1.23	1.23	1.28
45.00	6.41	6.27	6.38	6.55	0.27	30.76	38.16	33.87	0.13	45.00	1.04	1.27	1.23	1.23	1.28
50.00	6.42	6.28	6.39	6.55	0.27	30.62	38.05	33.60	0.18	50.00	1.04	1.27	1.23	1.23	1.27
75.00	6.45	6.31	6.42	6.58	0.28	29.95	37.64	32.27	0.21	75.00	1.05	1.27	1.22	1.23	1.27
100.00	6.47	6.33	6.45	6.61	0.29	29.32	37.33	31.00	0.27	100.00	1.06	1.26	1.22	1.22	1.27
125.00	6.50	6.35	6.48	6.64	0.29	28.71	37.11	29.87	0.35	125.00	1.07	1.26	1.22	1.22	1.26
150.00	6.52	6.36	6.50	6.66	0.29	28.13	36.91	28.86	0.40	150.00	1.08	1.26	1.22	1.22	1.26
175.00	6.54	6.38	6.52	6.68	0.30	27.56	36.75	27.95	0.47	175.00	1.08	1.26	1.21	1.21	1.26
200.00	6.55	6.40	6.54	6.70	0.30	27.01	36.61	27.14	0.54	200.00	1.09	1.25	1.21	1.21	1.25
225.00	6.57	6.42	6.56	6.72	0.30	26.48	36.46	26.39	0.56	225.00	1.10	1.25	1.21	1.20	1.25
250.00	6.59	6.43	6.57	6.73	0.30	25.95	36.32	25.71	0.65	250.00	1.12	1.25	1.20	1.20	1.25
275.00	6.61	6.45	6.60	6.76	0.31	25.45	36.16	25.09	0.70	275.00	1.13	1.25	1.20	1.20	1.24
300.00	6.62	6.46	6.61	6.77	0.31	24.94	35.98	24.51	0.78	300.00	1.14	1.25	1.20	1.19	1.24
325.00	6.64	6.48	6.63	6.79	0.31	24.45	35.77	23.97	0.83	325.00	1.15	1.25	1.19	1.19	1.24
350.00	6.66	6.49	6.65	6.81	0.31	23.96	35.52	23.45	0.89	350.00	1.17	1.24	1.19	1.18	1.23
375.00	6.67	6.51	6.67	6.83	0.32	23.48	35.23	22.97	0.95	375.00	1.18	1.24	1.18	1.18	1.23
400.00	6.69	6.53	6.69	6.85	0.32	23.01	34.91	22.50	0.99	400.00	1.19	1.24	1.18	1.17	1.23
425.00	6.71	6.55	6.71	6.87	0.33	22.56	34.56	22.06	1.07	425.00	1.21	1.24	1.17	1.17	1.22
450.00	6.73	6.56	6.73	6.89	0.33	22.11	34.19	21.64	1.13	450.00	1.22	1.24	1.17	1.16	1.22
500.00	6.77	6.60	6.78	6.94	0.34	21.26	33.41	20.87	1.22	500.00	1.26	1.23	1.16	1.15	1.21
525.00	6.80	6.62	6.80	6.97	0.34	20.86	33.00	20.50	1.26	525.00	1.27	1.23	1.15	1.15	1.21
550.00	6.82	6.64	6.82	6.99	0.35	20.47	32.60	20.16	1.31	550.00	1.29	1.23	1.15	1.14	1.20
575.00	6.84	6.66	6.85	7.02	0.36	20.10	32.21	19.83	1.38	575.00	1.30	1.22	1.14	1.14	1.20
600.00	6.87	6.68	6.88	7.05	0.37	19.75	31.81	19.52	1.43	600.00	1.32	1.22	1.13	1.13	1.19
650.00	6.92	6.73	6.93	7.10	0.38	19.11	31.08	18.94	1.57	650.00	1.35	1.21	1.12	1.12	1.18
675.00	6.94	6.75	6.96	7.13	0.39	18.82	30.73	18.69	1.62	675.00	1.36	1.20	1.11	1.11	1.17
700.00	6.97	6.77	6.99	7.16	0.39	18.55	30.41	18.44	1.68	700.00	1.38	1.19	1.10	1.10	1.17
725.00	7.00	6.79	7.02	7.19	0.40	18.30	30.10	18.22	1.75	725.00	1.39	1.19	1.09	1.10	1.16
750.00	7.02	6.81	7.04	7.22	0.40	18.07	29.83	18.01	1.84	750.00	1.40	1.18	1.08	1.09	1.15
800.00	7.07	6.86	7.11	7.28	0.42	17.67	29.34	17.65	1.98	800.00	1.42	1.16	1.07	1.08	1.14
825.00	7.11	6.89	7.14	7.31	0.43	17.51	29.13	17.49	2.02	825.00	1.43	1.15	1.06	1.07	1.13
850.00	7.13	6.91	7.17	7.35	0.44	17.36	28.92	17.35	2.11	850.00	1.44	1.14	1.05	1.07	1.12
875.00	7.16	6.94	7.20	7.38	0.44	17.24	28.76	17.22	2.17	875.00	1.44	1.13	1.05	1.07	1.11
900.00	7.19	6.96	7.23	7.41	0.45	17.14	28.62	17.12	2.25	900.00	1.45	1.12	1.05	1.06	1.10
950.00	7.24	7.00	7.30	7.47	0.47	17.00	28.39	16.96	2.45	950.00	1.45	1.10	1.06	1.07	1.09
975.00	7.27	7.03	7.33	7.50	0.48	16.96	28.31	16.90	2.51	975.00	1.46	1.08	1.07	1.07	1.08
1000.00	7.30	7.05	7.37	7.54	0.48	16.94	28.25	16.86	2.56	1000.00	1.45	1.07	1.08	1.08	1.06
1025.00	7.33	7.08	7.40	7.58	0.50	16.96	28.20	16.83	2.66	1025.00	1.45	1.07	1.09	1.08	1.06
1050.00	7.36	7.10	7.44	7.61	0.51	16.98	28.17	16.82	2.74	1050.00	1.45	1.06	1.10	1.09	1.04
1100.00	7.43	7.15	7.51	7.69	0.54	17.10	28.14	16.83	2.95	1100.00	1.44	1.06	1.12	1.11	1.03
1200.00	7.57	7.27	7.68	7.85	0.59	17.55	28.12	16.96	3.35	1200.00	1.40	1.09	1.17	1.15	1.02
1300.00	7.74	7.42	7.89	8.05	0.63	18.23	27.94	17.16	3.75	1300.00	1.35	1.15	1.22	1.19	1.06

¹Total Loss = Insertion Loss + 6dB Splitter Loss



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
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IF/RF MICROWAVE COMPONENTS

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