

8 Way-0° Power Splitter/Combiner

SCPA-ED13425/1

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	S-6	S-8		1-2	1-8	2-4	6-8			S	1	8
5.0	9.90	9.90	9.90	9.91	9.92	9.92	0.02	34.37	35.70	36.61	36.92	0.14	5.0	1.46	1.27	1.27
6.0	9.88	9.88	9.87	9.87	9.89	9.89	0.02	34.26	35.97	36.36	36.58	0.13	6.0	1.44	1.25	1.25
7.0	9.86	9.86	9.86	9.86	9.87	9.87	0.02	34.13	36.25	36.30	36.68	0.15	7.0	1.43	1.24	1.24
8.0	9.84	9.84	9.84	9.84	9.86	9.86	0.02	33.98	36.45	36.13	36.50	0.10	8.0	1.43	1.23	1.24
9.0	9.83	9.83	9.83	9.83	9.85	9.84	0.02	33.82	36.57	36.15	36.46	0.14	9.0	1.42	1.23	1.23
10.0	9.82	9.81	9.82	9.82	9.83	9.83	0.02	33.79	36.65	35.71	36.32	0.12	10.0	1.42	1.22	1.22
20.0	9.81	9.81	9.81	9.81	9.81	9.81	0.01	32.89	36.90	35.51	35.79	0.14	20.0	1.40	1.21	1.21
30.0	9.81	9.81	9.82	9.82	9.82	9.82	0.01	32.37	36.73	35.27	35.27	0.23	30.0	1.39	1.21	1.21
40.0	9.83	9.82	9.83	9.83	9.83	9.83	0.01	31.84	36.83	34.90	34.82	0.33	40.0	1.38	1.21	1.21
50.0	9.84	9.84	9.84	9.84	9.84	9.83	0.01	31.27	36.90	34.47	34.22	0.35	50.0	1.38	1.20	1.20
60.0	9.85	9.84	9.85	9.85	9.85	9.84	0.01	30.72	36.93	34.03	33.66	0.46	60.0	1.37	1.20	1.20
70.0	9.86	9.86	9.87	9.86	9.86	9.86	0.02	30.21	36.99	33.40	33.08	0.57	70.0	1.36	1.20	1.20
80.0	9.87	9.87	9.88	9.87	9.87	9.86	0.02	29.68	36.97	32.92	32.53	0.63	80.0	1.36	1.19	1.19
90.0	9.88	9.88	9.89	9.88	9.88	9.88	0.01	29.18	36.95	32.39	31.99	0.73	90.0	1.35	1.19	1.19
100.0	9.90	9.89	9.90	9.89	9.89	9.89	0.01	28.71	36.99	31.93	31.45	0.79	100.0	1.34	1.18	1.18
150.0	9.94	9.92	9.94	9.92	9.94	9.93	0.02	26.50	37.01	29.60	29.09	1.22	150.0	1.30	1.17	1.17
200.0	10.00	9.98	9.98	9.95	9.99	9.99	0.04	24.77	36.84	27.75	27.16	1.62	200.0	1.26	1.15	1.14
250.0	10.05	10.03	10.03	9.99	10.05	10.05	0.06	23.41	36.67	26.20	25.65	2.01	250.0	1.25	1.14	1.12
300.0	10.11	10.08	10.08	10.03	10.11	10.12	0.09	22.28	36.37	24.88	24.39	2.32	300.0	1.25	1.13	1.11
350.0	10.21	10.17	10.15	10.09	10.18	10.22	0.13	21.42	35.94	23.80	23.33	2.59	350.0	1.29	1.13	1.10
400.0	10.28	10.24	10.23	10.14	10.28	10.30	0.17	20.74	35.40	22.83	22.47	2.94	400.0	1.33	1.14	1.11
450.0	10.40	10.34	10.31	10.21	10.36	10.42	0.21	20.25	34.70	22.02	21.73	3.18	450.0	1.39	1.14	1.13
500.0	10.50	10.44	10.42	10.31	10.48	10.54	0.23	19.94	33.98	21.37	21.16	3.45	500.0	1.43	1.17	1.15
550.0	10.61	10.52	10.51	10.38	10.59	10.65	0.27	19.80	33.23	20.81	20.71	3.72	550.0	1.47	1.19	1.18
600.0	10.73	10.64	10.58	10.49	10.68	10.79	0.30	19.83	32.56	20.41	20.34	3.92	600.0	1.49	1.22	1.21
650.0	10.81	10.70	10.67	10.57	10.80	10.88	0.31	20.03	31.87	20.10	20.13	4.17	650.0	1.50	1.24	1.24
700.0	10.89	10.77	10.72	10.65	10.88	10.98	0.32	20.34	31.28	19.92	19.91	4.40	700.0	1.49	1.27	1.28
750.0	10.95	10.82	10.75	10.73	10.95	11.07	0.34	20.76	30.79	19.86	19.83	4.60	750.0	1.50	1.30	1.31
800.0	10.95	10.83	10.77	10.77	11.04	11.11	0.34	21.22	30.34	19.86	19.78	4.86	800.0	1.50	1.32	1.35
850.0	10.99	10.87	10.76	10.83	11.08	11.19	0.43	21.69	30.01	19.89	19.77	5.23	850.0	1.50	1.36	1.38
900.0	10.99	10.89	10.77	10.87	11.15	11.26	0.50	22.06	29.86	19.93	19.70	5.61	900.0	1.50	1.38	1.41
950.0	11.01	10.92	10.79	10.92	11.25	11.36	0.56	22.44	29.81	19.89	19.73	6.16	950.0	1.47	1.41	1.44
1000.0	11.09	11.01	10.81	11.01	11.36	11.53	0.72	22.72	30.09	19.77	19.55	6.85	1000.0	1.44	1.42	1.47

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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