

8 Way-0° Power Splitter/Combiner

SCPA-ED12932/2

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
0.3	9.45	9.46	9.45	9.45	9.44	9.45	0.02	41.21	57.03	33.09	32.68	0.22	0.3	1.23	1.18	1.18
0.5	9.44	9.44	9.44	9.44	9.43	9.43	0.02	45.83	61.94	36.19	35.73	0.13	0.5	1.15	1.13	1.13
1.0	9.39	9.39	9.39	9.39	9.38	9.38	0.02	50.98	60.55	38.83	38.60	0.03	1.0	1.09	1.10	1.10
2.0	9.31	9.31	9.32	9.31	9.31	9.31	0.01	51.67	57.17	40.88	41.01	0.06	2.0	1.07	1.08	1.08
4.0	9.28	9.28	9.28	9.28	9.28	9.28	0.00	49.29	55.00	42.56	42.82	0.04	4.0	1.06	1.06	1.06
6.0	9.27	9.27	9.27	9.27	9.27	9.27	0.00	47.43	54.64	43.05	43.37	0.06	6.0	1.06	1.05	1.05
8.0	9.27	9.27	9.27	9.27	9.27	9.27	0.00	45.74	54.30	43.03	43.46	0.09	8.0	1.07	1.05	1.05
10.0	9.28	9.28	9.28	9.28	9.28	9.28	0.00	44.32	53.95	42.81	43.33	0.11	10.0	1.07	1.04	1.05
12.0	9.29	9.29	9.29	9.29	9.29	9.29	0.00	43.15	53.70	42.47	43.00	0.13	12.0	1.07	1.04	1.04
14.0	9.30	9.30	9.30	9.30	9.30	9.30	0.00	42.15	53.51	42.13	42.67	0.16	14.0	1.08	1.04	1.04
16.0	9.31	9.31	9.31	9.31	9.31	9.30	0.00	41.24	53.34	41.72	42.22	0.18	16.0	1.08	1.04	1.04
18.0	9.31	9.31	9.32	9.31	9.31	9.31	0.00	40.42	53.12	41.23	41.78	0.21	18.0	1.08	1.04	1.04
20.0	9.32	9.32	9.32	9.32	9.32	9.32	0.01	39.65	52.70	40.74	41.37	0.24	20.0	1.09	1.04	1.04
30.0	9.36	9.36	9.36	9.36	9.36	9.35	0.01	36.77	51.09	38.56	39.23	0.33	30.0	1.11	1.04	1.04
40.0	9.39	9.39	9.39	9.39	9.39	9.39	0.01	34.72	49.70	36.69	37.45	0.44	40.0	1.13	1.03	1.03
50.0	9.43	9.42	9.42	9.43	9.42	9.42	0.01	33.16	48.61	35.20	35.96	0.55	50.0	1.14	1.03	1.03
60.0	9.46	9.45	9.46	9.45	9.45	9.44	0.01	31.91	47.52	33.93	34.71	0.65	60.0	1.16	1.02	1.03
70.0	9.49	9.48	9.49	9.48	9.47	9.47	0.02	30.88	46.63	32.87	33.63	0.76	70.0	1.18	1.02	1.02
80.0	9.52	9.51	9.51	9.51	9.50	9.50	0.02	30.01	45.82	31.94	32.74	0.88	80.0	1.20	1.02	1.02
90.0	9.55	9.54	9.54	9.54	9.53	9.52	0.02	29.29	45.03	31.13	31.93	0.98	90.0	1.21	1.01	1.02
100.0	9.57	9.57	9.57	9.56	9.55	9.55	0.03	28.66	44.39	30.42	31.23	1.11	100.0	1.23	1.01	1.02
110.0	9.60	9.60	9.59	9.59	9.57	9.57	0.03	28.15	43.95	29.81	30.63	1.21	110.0	1.24	1.01	1.02
120.0	9.63	9.62	9.61	9.61	9.59	9.60	0.04	27.72	43.51	29.26	30.10	1.31	120.0	1.25	1.02	1.03
140.0	9.68	9.67	9.66	9.65	9.64	9.64	0.05	27.03	42.73	28.32	29.17	1.56	140.0	1.27	1.03	1.04
160.0	9.73	9.72	9.71	9.70	9.68	9.68	0.06	26.60	42.21	27.57	28.45	1.83	160.0	1.28	1.05	1.05
180.0	9.78	9.77	9.75	9.74	9.72	9.72	0.07	26.35	41.74	26.96	27.86	2.09	180.0	1.29	1.06	1.07
200.0	9.83	9.82	9.80	9.78	9.76	9.76	0.09	26.29	41.49	26.48	27.41	2.35	200.0	1.30	1.08	1.08
220.0	9.88	9.87	9.84	9.82	9.80	9.80	0.10	26.39	41.37	26.12	27.05	2.63	220.0	1.29	1.10	1.10
240.0	9.92	9.92	9.88	9.85	9.83	9.84	0.11	26.63	41.41	25.84	26.77	2.95	240.0	1.29	1.11	1.12
250.0	9.94	9.95	9.90	9.87	9.85	9.86	0.12	26.80	41.41	25.71	26.65	3.12	250.0	1.28	1.12	1.13
300.0	10.07	10.08	10.02	9.98	9.96	9.96	0.16	27.90	41.87	25.34	26.20	4.00	300.0	1.24	1.17	1.17
350.0	10.21	10.26	10.17	10.11	10.10	10.10	0.20	28.37	42.70	25.15	25.76	5.01	350.0	1.19	1.21	1.21
400.0	10.40	10.48	10.36	10.29	10.30	10.28	0.24	26.69	43.26	25.08	25.25	6.16	400.0	1.15	1.25	1.24
450.0	10.64	10.77	10.63	10.54	10.58	10.55	0.28	23.39	42.15	25.10	24.70	7.52	450.0	1.15	1.29	1.27
500.0	11.02	11.19	11.03	10.91	11.01	10.98	0.30	20.01	38.56	24.46	23.60	9.19	500.0	1.25	1.30	1.28

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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