

2 Way-0° Power Splitter/Combiner

SCPA-ED13008/3

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
5.0	3.87	3.89	0.02	10.60	0.05	5.0	1.79	3.59	3.59
10.0	3.53	3.56	0.02	13.48	0.04	10.0	1.38	2.31	2.31
20.0	3.41	3.42	0.02	21.33	0.02	20.0	1.22	1.52	1.52
30.0	3.37	3.39	0.02	26.32	0.02	30.0	1.17	1.36	1.37
40.0	3.35	3.37	0.02	27.04	0.03	40.0	1.15	1.32	1.32
50.0	3.34	3.35	0.01	27.26	0.07	50.0	1.15	1.30	1.30
60.0	3.33	3.34	0.02	27.52	0.08	60.0	1.14	1.28	1.28
70.0	3.32	3.34	0.02	27.77	0.09	70.0	1.14	1.26	1.26
80.0	3.32	3.34	0.02	27.96	0.11	80.0	1.14	1.24	1.24
90.0	3.32	3.33	0.02	28.00	0.12	90.0	1.14	1.23	1.23
100.0	3.32	3.33	0.02	27.90	0.14	100.0	1.14	1.22	1.22
125.0	3.32	3.34	0.02	27.16	0.16	125.0	1.15	1.19	1.19
150.0	3.32	3.34	0.02	26.21	0.17	150.0	1.15	1.16	1.16
175.0	3.33	3.34	0.02	25.23	0.19	175.0	1.15	1.14	1.14
200.0	3.33	3.35	0.02	24.30	0.22	200.0	1.15	1.12	1.12
225.0	3.35	3.36	0.02	23.52	0.24	225.0	1.14	1.10	1.10
250.0	3.36	3.37	0.01	22.95	0.27	250.0	1.14	1.08	1.08
275.0	3.37	3.38	0.01	22.52	0.28	275.0	1.13	1.07	1.06
300.0	3.38	3.39	0.01	22.22	0.30	300.0	1.13	1.06	1.05
325.0	3.39	3.40	0.01	22.06	0.30	325.0	1.12	1.05	1.04
350.0	3.40	3.41	0.01	22.05	0.29	350.0	1.10	1.06	1.05
375.0	3.42	3.43	0.01	22.22	0.30	375.0	1.09	1.08	1.06
400.0	3.44	3.44	0.00	22.55	0.32	400.0	1.08	1.10	1.09
425.0	3.46	3.46	0.00	23.04	0.33	425.0	1.08	1.13	1.11
450.0	3.47	3.47	0.00	23.83	0.39	450.0	1.08	1.16	1.14
475.0	3.50	3.50	0.00	24.96	0.42	475.0	1.10	1.19	1.17
500.0	3.52	3.52	0.00	26.32	0.43	500.0	1.12	1.22	1.20
525.0	3.55	3.55	0.00	27.75	0.43	525.0	1.16	1.25	1.23
550.0	3.59	3.59	0.00	28.41	0.39	550.0	1.21	1.29	1.26
575.0	3.63	3.63	0.00	27.04	0.38	575.0	1.27	1.32	1.29
600.0	3.69	3.69	0.00	24.49	0.38	600.0	1.34	1.35	1.32
625.0	3.76	3.76	0.00	21.86	0.35	625.0	1.42	1.37	1.35
650.0	3.85	3.85	0.00	19.45	0.33	650.0	1.51	1.40	1.37
675.0	3.96	3.96	0.00	17.38	0.29	675.0	1.62	1.41	1.39
700.0	4.08	4.08	0.00	15.61	0.29	700.0	1.75	1.42	1.40
725.0	4.23	4.23	0.00	14.05	0.24	725.0	1.90	1.43	1.41
750.0	4.41	4.41	0.00	12.70	0.21	750.0	2.07	1.43	1.40
775.0	4.62	4.61	0.00	11.52	0.20	775.0	2.25	1.42	1.39
800.0	4.84	4.83	0.01	10.53	0.22	800.0	2.45	1.40	1.38

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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