

8 Way-0° Power Splitter/Combiner

SEPS-ED14112/1

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	S-6	S-8		1-2	1-3	3-4	6-7			S	1	8
2.0	10.12	10.13	10.14	10.11	10.16	10.16	0.05	32.15	32.79	31.45	34.35	0.30	2.0	1.25	2.47	2.44
2.5	10.05	10.05	10.07	10.04	10.09	10.08	0.05	32.24	33.84	31.71	35.89	0.25	2.5	1.23	2.24	2.22
3.0	10.00	10.01	10.02	10.01	10.05	10.03	0.05	32.11	34.91	31.88	37.34	0.25	3.0	1.22	2.08	2.07
4.0	9.96	9.96	9.97	9.97	10.00	9.98	0.04	32.18	36.85	32.29	39.44	0.23	4.0	1.22	1.87	1.88
5.0	9.93	9.93	9.93	9.94	9.96	9.95	0.04	32.19	38.07	32.52	41.45	0.19	5.0	1.21	1.75	1.77
6.0	9.92	9.91	9.92	9.92	9.94	9.93	0.02	32.20	39.21	32.70	43.23	0.15	6.0	1.21	1.67	1.70
7.0	9.91	9.90	9.91	9.90	9.93	9.91	0.03	32.17	40.27	32.75	44.98	0.18	7.0	1.21	1.62	1.65
8.0	9.89	9.90	9.90	9.90	9.92	9.91	0.03	32.32	41.13	32.90	46.64	0.19	8.0	1.21	1.58	1.61
9.0	9.89	9.88	9.88	9.89	9.91	9.91	0.04	32.28	41.89	33.04	48.81	0.17	9.0	1.21	1.55	1.59
10.0	9.89	9.89	9.90	9.89	9.91	9.90	0.03	32.24	41.94	33.00	49.97	0.23	10.0	1.21	1.53	1.57
30.0	9.92	9.92	9.93	9.94	9.95	9.94	0.03	31.58	43.05	32.37	47.69	0.22	30.0	1.22	1.45	1.50
50.0	9.99	9.99	10.00	9.99	10.01	9.98	0.03	30.48	41.01	30.94	42.27	0.34	50.0	1.23	1.44	1.49
70.0	10.02	10.02	10.03	10.03	10.04	10.02	0.02	29.17	38.59	29.31	38.76	0.34	70.0	1.25	1.44	1.48
90.0	10.06	10.05	10.07	10.07	10.07	10.06	0.02	27.89	37.04	27.80	36.66	0.47	90.0	1.28	1.43	1.48
100.0	10.07	10.06	10.08	10.08	10.08	10.07	0.02	27.30	36.13	27.20	35.55	0.45	100.0	1.29	1.43	1.48
150.0	10.17	10.16	10.18	10.19	10.17	10.16	0.03	24.75	33.11	24.42	32.33	0.63	150.0	1.36	1.43	1.48
200.0	10.27	10.26	10.29	10.30	10.27	10.25	0.05	22.77	30.93	22.40	30.10	0.84	200.0	1.43	1.43	1.48
250.0	10.37	10.37	10.40	10.40	10.36	10.36	0.05	21.31	29.38	20.87	28.60	0.92	250.0	1.50	1.43	1.48
300.0	10.47	10.46	10.51	10.51	10.45	10.45	0.07	20.12	28.05	19.66	27.45	1.03	300.0	1.55	1.43	1.48
350.0	10.55	10.54	10.61	10.60	10.53	10.54	0.08	19.17	27.07	18.70	26.62	1.12	350.0	1.60	1.43	1.48
400.0	10.63	10.61	10.70	10.69	10.59	10.60	0.10	18.42	26.22	17.97	26.07	1.19	400.0	1.63	1.42	1.47
450.0	10.68	10.68	10.77	10.76	10.65	10.67	0.12	17.83	25.49	17.35	25.59	1.33	450.0	1.64	1.41	1.46
500.0	10.73	10.72	10.82	10.81	10.69	10.70	0.14	17.37	24.92	16.91	25.39	1.37	500.0	1.64	1.39	1.43
550.0	10.77	10.74	10.86	10.84	10.71	10.72	0.15	17.01	24.41	16.55	25.23	1.48	550.0	1.63	1.37	1.41
600.0	10.78	10.76	10.89	10.87	10.71	10.74	0.18	16.79	24.01	16.31	25.24	1.62	600.0	1.61	1.35	1.38
650.0	10.79	10.76	10.91	10.89	10.72	10.75	0.19	16.67	23.67	16.18	25.35	1.83	650.0	1.57	1.32	1.35
700.0	10.80	10.75	10.91	10.88	10.70	10.74	0.21	16.65	23.42	16.14	25.60	1.94	700.0	1.53	1.29	1.32
750.0	10.79	10.75	10.91	10.89	10.69	10.73	0.22	16.72	23.21	16.19	25.87	2.10	750.0	1.49	1.26	1.28
800.0	10.79	10.74	10.92	10.90	10.68	10.74	0.24	16.87	23.11	16.31	26.14	2.30	800.0	1.44	1.23	1.25
850.0	10.80	10.75	10.94	10.91	10.66	10.74	0.28	17.12	23.09	16.51	26.39	2.26	850.0	1.40	1.20	1.22
900.0	10.81	10.75	10.94	10.92	10.68	10.75	0.26	17.43	23.09	16.78	26.55	2.42	900.0	1.36	1.18	1.19
950.0	10.82	10.75	10.96	10.92	10.67	10.76	0.29	17.83	23.21	17.10	26.61	2.42	950.0	1.32	1.16	1.17
1000.0	10.82	10.76	10.99	10.94	10.67	10.79	0.32	18.27	23.35	17.42	26.46	2.58	1000.0	1.30	1.15	1.15
1100.0	10.90	10.81	11.05	11.00	10.72	10.86	0.33	19.08	23.78	18.02	25.81	2.72	1100.0	1.27	1.14	1.13
1200.0	10.98	10.90	11.16	11.10	10.78	10.95	0.39	19.69	24.43	18.36	25.05	2.75	1200.0	1.27	1.13	1.12
1300.0	11.12	11.02	11.29	11.23	10.87	11.08	0.43	19.96	25.24	18.36	24.45	2.85	1300.0	1.31	1.13	1.14
1400.0	11.25	11.15	11.43	11.36	10.95	11.20	0.48	19.93	26.11	18.16	24.00	2.81	1400.0	1.36	1.13	1.16
1500.0	11.41	11.30	11.60	11.53	11.04	11.33	0.56	19.85	26.94	17.89	23.67	2.62	1500.0	1.42	1.13	1.19
1600.0	11.55	11.43	11.75	11.69	11.13	11.42	0.62	19.76	27.75	17.67	23.35	2.61	1600.0	1.44	1.14	1.21
1700.0	11.69	11.57	11.91	11.83	11.20	11.51	0.71	19.79	28.48	17.51	23.02	2.48	1700.0	1.44	1.15	1.22
1800.0	11.79	11.70	12.03	11.96	11.28	11.58	0.75	20.00	28.95	17.48	22.58	2.70	1800.0	1.39	1.16	1.22
1900.0	11.90	11.81	12.17	12.09	11.35	11.64	0.82	20.46	29.02	17.59	21.85	3.04	1900.0	1.31	1.17	1.20
2000.0	12.08	11.97	12.33	12.26	11.45	11.75	0.87	21.22	28.28	17.84	21.00	3.56	2000.0	1.24	1.17	1.18
2100.0	12.32	12.23	12.57	12.50	11.66	11.94	0.91	22.31	27.40	18.22	20.06	4.09	2100.0	1.29	1.17	1.15
2200.0	12.68	12.60	12.94	12.86	11.99	12.27	0.95	23.36	26.57	18.35	19.43	4.44	2200.0	1.46	1.19	1.14
2300.0	13.15	13.08	13.39	13.32	12.44	12.73	0.95	23.71	26.22	18.11	19.28	4.88	2300.0	1.70	1.22	1.15
2400.0	13.69	13.62	13.90	13.82	12.87	13.20	1.02	23.12	26.80	17.42	19.88	5.22	2400.0	1.92	1.23	1.15
2500.0	14.20	14.14	14.40	14.29	13.29	13.64	1.11	22.18	28.29	16.58	21.34	5.76	2500.0	2.08	1.23	1.13
2550.0	14.39	14.35	14.58	14.45	13.43	13.84	1.15	21.69	29.62	16.11	22.49	6.14	2550.0	2.12	1.23	1.11
2600.0	14.59	14.55	14.80	14.61	13.58	14.04	1.23	21.28	31.75	15.67	24.09	5.98	2600.0	2.14	1.20	1.08
2650.0	14.81	14.77	15.00	14.82	13.72	14.24	1.28	20.94	35.27	15.28	26.13	6.02	2650.0	2.13	1.18	1.05
2700.0	15.08	15.06	15.29	15.08	13.94	14.48	1.34	20.68	40.88	14.92	28.62	6.19	2700.0	2.16	1.15	1.03

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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REV. X1
SEPS-ED14112/1
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Page 1 of 1