5 Way-0° Power Splitter/Combiner SCPA-ED9773/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS[1] (dB)					AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)
	S-1	S-2	S-3	S-4	S-5		1-2	2-3	3-4	2-5	
0.2	7.15	7.11	7.10	7.12	7.14	0.05	37.90	39.76	37.41	18.23	0.20
0.4	7.15	7.12	7.11	7.12	7.14	0.04	44.58	45.04	57.30	21.84	0.10
0.6	7.15	7.12	7.11	7.12	7.14	0.04	47.39	44.90	51.83	23.39	0.09
0.8	7.15	7.12	7.10	7.12	7.13	0.04	49.00	44.92	49.91	24.34	0.10
1.0	7.14	7.10	7.10	7.11	7.13	0.04	49.36	44.94	49.31	25.04	0.06
2.0	7.13	7.10	7.10	7.11	7.13	0.03	47.48	45.01	46.13	27.31	0.04
3.0	7.14	7.11	7.10	7.11	7.13	0.03	46.20	44.74	44.58	28.38	0.06
4.0	7.13	7.11	7.10	7.11	7.13	0.03	45.41	44.44	43.63	28.94	0.11
5.0	7.16	7.12	7.11	7.12	7.14	0.05	44.71	44.09	42.96	29.27	0.15
6.0	7.14	7.11	7.10	7.12	7.13	0.04	44.16	43.70	42.47	29.44	0.10
7.0	7.16	7.12	7.12	7.12	7.15	0.04	43.77	43.38	42.08	29.58	0.15
8.0	7.16	7.13	7.12	7.13	7.15	0.04	43.38	43.06	41.67	29.65	0.15
9.0	7.17	7.13	7.13	7.14	7.16	0.04	43.01	42.63	41.35	29.69	0.15
10.0	7.17	7.14	7.13	7.15	7.16	0.04	42.66	42.25	41.00	29.73	0.20
24.0	7.21	7.18	7.18	7.19	7.20	0.03	38.94	38.41	37.42	29.40	0.43
38.0	7.25	7.22	7.21	7.23	7.24	0.04	36.12	35.83	34.85	28.73	0.67
52.0	7.29	7.26	7.25	7.27	7.28	0.04	34.09	33.85	32.90	28.09	0.95
66.0	7.33	7.30	7.29	7.32	7.31	0.04	32.55	32.40	31.39	27.51	1.17
80.0	7.37	7.33	7.33	7.35	7.36	0.04	31.30	31.19	30.14	26.92	1.40
94.0	7.40	7.38	7.36	7.38	7.39	0.03	30.32	30.24	29.18	26.44	1.63
108.0	7.44	7.41	7.40	7.43	7.42	0.04	29.52	29.48	28.39	26.00	1.89
122.0	7.46	7.45	7.43	7.46	7.45	0.03	28.87	28.85	27.74	25.62	2.15
136.0	7.51	7.48	7.47	7.49	7.49	0.03	28.34	28.38	27.23	25.30	2.43
150.0	7.52	7.51	7.49	7.52	7.51	0.03	27.97	28.02	26.86	25.05	2.71
165.0	7.55	7.55	7.52	7.55	7.54	0.03	27.70	27.80	26.60	24.88	3.04
180.0	7.57	7.57	7.55	7.57	7.56	0.03	27.54	27.67	26.40	24.76	3.36
195.0	7.59	7.59	7.57	7.58	7.57	0.02	27.56	27.73	26.40	24.77	3.61
210.0	7.60	7.61	7.58	7.59	7.59	0.03	27.70	27.92	26.51	24.88	3.93
225.0	7.60	7.63	7.60	7.62	7.60	0.04	27.99	28.29	26.70	25.08	4.29
240.0	7.61	7.64	7.61	7.62	7.60	0.04	28.48	28.86	27.05	25.46	4.58
255.0	7.62	7.67	7.63	7.63	7.63	0.04	29.17	29.62	27.47	26.02	4.89
270.0	7.64	7.69	7.64	7.64	7.63	0.07	30.10	30.64	27.84	26.81	5.27
285.0	7.67	7.72	7.67	7.66	7.66	0.06	31.11	31.68	28.03	27.95	5.65
300.0	7.70	7.77	7.71	7.70	7.70	0.07	31.93	32.35	27.75	29.57	6.06
314.0	7.75	7.84	7.77	7.77	7.77	0.08	31.88	31.81	26.93	31.65	6.37
328.0	7.85	7.95	7.88	7.85	7.86	0.09	30.67	30.17	25.63	34.30	6.73
342.0	8.00	8.10	8.03	8.00	8.01	0.11	28.68	27.97	24.04	35.97	7.13
356.0	8.18	8.31	8.22	8.18	8.19	0.13	26.52	25.77	22.40	33.61	7.62
370.0	8.43	8.56	8.47	8.42	8.43	0.14	24.47	23.75	20.80	29.92	8.09
375.0	8.53	8.66	8.57	8.53	8.53	0.13	23.81	23.10	20.27	28.73	8.29
380.0	8.65	8.79	8.69	8.64	8.65	0.15	23.16	22.47	19.75	27.63	8.44

FREQ. (MHz)	VSWR (:1)				
	S	1	2	3	4
0.2	1.09	1.74	1.76	1.77	1.83
0.4	1.08	1.41	1.42	1.43	1.45
0.6	1.07	1.32	1.33	1.34	1.35
0.8	1.07	1.27	1.29	1.29	1.30
1.0	1.06	1.24	1.26	1.26	1.27
2.0	1.06	1.17	1.18	1.18	1.19
3.0	1.05	1.14	1.15	1.15	1.16
4.0	1.05	1.12	1.13	1.13	1.14
5.0	1.05	1.11	1.12	1.12	1.13
6.0	1.05	1.11	1.12	1.12	1.12
7.0	1.06	1.10	1.11	1.11	1.12
8.0	1.06	1.10	1.11	1.11	1.11
9.0	1.06	1.10	1.11	1.11	1.11
10.0	1.06	1.10	1.10	1.11	1.11
24.0	1.10	1.09	1.10	1.10	1.10
38.0	1.14	1.09	1.09	1.09	1.10
52.0	1.18	1.08	1.09	1.09	1.10
66.0	1.22	1.08	1.09	1.09	1.10
80.0	1.26	1.08	1.09	1.09	1.10
94.0	1.30	1.08	1.08	1.08	1.10
108.0	1.34	1.07	1.08	1.08	1.09
122.0	1.37	1.07	1.07	1.08	1.09
136.0	1.39	1.07	1.07	1.07	1.09
150.0	1.41	1.06	1.07	1.07	1.09
165.0	1.43	1.06	1.06	1.06	1.09
180.0	1.43	1.06	1.06	1.06	1.09
195.0	1.42	1.05	1.06	1.06	1.09
210.0	1.41	1.05	1.06	1.06	1.09
225.0	1.38	1.05	1.06	1.06	1.09
240.0	1.34	1.06	1.07	1.07	1.09
255.0	1.29	1.07	1.08	1.08	1.10
270.0	1.22	1.08	1.10	1.09	1.11
285.0	1.15	1.09	1.11	1.11	1.12
300.0	1.09	1.11	1.13	1.12	1.14
314.0	1.07	1.13	1.15	1.14	1.16
328.0	1.16	1.15	1.17	1.16	1.18
342.0	1.28	1.17	1.19	1.18	1.21
356.0	1.45	1.19	1.21	1.20	1.24
370.0	1.65	1.22	1.23	1.23	1.27
375.0	1.74	1.22	1.24	1.23	1.28
380.0	1.83	1.23	1.24	1.24	1.29

[1] Total Loss = Insertion Loss + 7dB Splitter Loss