

# 8 Way-0° Power Splitter/Combiner

# PSC-8-1+

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (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	2-3	5-8	6-7			S	1	8
0.5	9.51	9.51	9.51	9.51	9.49	9.49	0.03	34.29	39.36	34.19	33.21	0.24	0.5	1.17	1.27	1.26
0.6	9.50	9.50	9.50	9.50	9.48	9.48	0.03	34.89	40.39	34.60	33.68	0.23	0.6	1.14	1.24	1.24
0.7	9.50	9.50	9.50	9.50	9.48	9.48	0.02	35.23	41.11	34.89	34.06	0.20	0.7	1.13	1.22	1.22
0.8	9.49	9.48	9.49	9.49	9.47	9.47	0.02	35.56	41.72	35.15	34.31	0.22	0.8	1.11	1.21	1.21
0.9	9.47	9.47	9.48	9.47	9.46	9.45	0.02	35.71	42.12	35.35	34.56	0.17	0.9	1.11	1.20	1.19
1.0	9.47	9.46	9.46	9.46	9.45	9.45	0.02	35.90	42.58	35.53	34.73	0.15	1.0	1.10	1.19	1.19
2.0	9.40	9.39	9.40	9.40	9.39	9.39	0.01	36.93	46.08	36.83	36.11	0.13	2.0	1.07	1.14	1.14
3.0	9.36	9.36	9.36	9.37	9.36	9.36	0.01	37.26	48.13	37.32	36.91	0.09	3.0	1.06	1.12	1.11
4.0	9.34	9.34	9.34	9.34	9.34	9.33	0.01	37.37	49.62	37.49	37.28	0.07	4.0	1.06	1.10	1.10
5.0	9.33	9.34	9.34	9.34	9.34	9.33	0.01	37.33	50.42	37.41	37.64	0.07	5.0	1.06	1.10	1.10
10.0	9.35	9.35	9.35	9.35	9.35	9.35	0.01	36.99	51.60	36.91	38.12	0.12	10.0	1.06	1.08	1.09
15.0	9.37	9.37	9.37	9.37	9.37	9.37	0.00	36.38	51.27	36.24	38.13	0.21	15.0	1.06	1.08	1.08
20.0	9.38	9.38	9.38	9.38	9.38	9.38	0.01	35.92	50.37	35.66	38.00	0.28	20.0	1.07	1.08	1.08
25.0	9.40	9.40	9.40	9.41	9.40	9.40	0.01	35.40	49.92	34.99	37.86	0.33	25.0	1.07	1.08	1.08
30.0	9.43	9.42	9.43	9.43	9.43	9.42	0.01	34.97	50.03	34.62	37.46	0.45	30.0	1.07	1.08	1.08
35.0	9.43	9.44	9.44	9.43	9.43	9.43	0.00	34.49	49.83	34.04	37.06	0.50	35.0	1.08	1.07	1.08
40.0	9.46	9.46	9.45	9.45	9.45	9.45	0.01	34.15	49.14	33.64	36.78	0.56	40.0	1.08	1.07	1.08
45.0	9.47	9.47	9.47	9.46	9.47	9.47	0.01	33.77	49.13	33.24	36.25	0.63	45.0	1.08	1.07	1.07
50.0	9.49	9.49	9.48	9.48	9.48	9.48	0.01	33.43	48.58	32.84	36.00	0.72	50.0	1.08	1.07	1.07
55.0	9.50	9.50	9.50	9.49	9.50	9.49	0.01	33.10	48.55	32.46	35.55	0.81	55.0	1.09	1.07	1.07
60.0	9.51	9.51	9.51	9.50	9.51	9.50	0.01	32.82	48.25	32.12	35.13	0.87	60.0	1.09	1.07	1.07
65.0	9.53	9.53	9.53	9.52	9.53	9.52	0.01	32.58	48.49	31.90	34.81	0.90	65.0	1.09	1.07	1.07
70.0	9.53	9.54	9.53	9.52	9.52	9.52	0.02	32.29	48.29	31.57	34.48	1.04	70.0	1.09	1.07	1.07
75.0	9.55	9.55	9.54	9.54	9.54	9.54	0.01	32.11	48.21	31.29	34.05	1.11	75.0	1.09	1.07	1.07
80.0	9.57	9.57	9.56	9.55	9.56	9.55	0.02	31.86	48.30	31.07	33.76	1.20	80.0	1.09	1.07	1.07
88.0	9.58	9.58	9.57	9.56	9.57	9.56	0.03	31.55	48.18	30.65	33.26	1.30	88.0	1.09	1.07	1.07
93.0	9.60	9.60	9.58	9.57	9.58	9.58	0.03	31.38	48.29	30.46	32.89	1.37	93.0	1.09	1.06	1.07
98.0	9.61	9.60	9.60	9.58	9.59	9.59	0.03	31.21	48.28	30.24	32.58	1.43	98.0	1.09	1.06	1.07
100.0	9.62	9.62	9.60	9.59	9.60	9.59	0.03	31.17	48.23	30.20	32.52	1.46	100.0	1.09	1.06	1.07
108.0	9.63	9.63	9.61	9.60	9.61	9.60	0.04	30.94	48.12	29.97	32.15	1.58	108.0	1.10	1.07	1.07
110.0	9.64	9.63	9.62	9.60	9.62	9.61	0.03	30.91	48.29	29.90	32.02	1.64	110.0	1.10	1.07	1.07
115.0	9.65	9.64	9.63	9.62	9.63	9.62	0.04	30.82	48.82	29.79	31.82	1.68	115.0	1.10	1.07	1.07
120.0	9.66	9.65	9.64	9.62	9.64	9.62	0.04	30.73	48.25	29.63	31.54	1.79	120.0	1.10	1.07	1.07
125.0	9.68	9.67	9.65	9.64	9.65	9.63	0.05	30.63	48.46	29.55	31.34	1.88	125.0	1.10	1.07	1.07
130.0	9.69	9.68	9.66	9.64	9.66	9.65	0.05	30.54	48.46	29.46	31.08	1.97	130.0	1.10	1.07	1.07
135.0	9.70	9.69	9.67	9.65	9.67	9.65	0.05	30.48	48.65	29.36	30.93	2.04	135.0	1.10	1.07	1.07
143.0	9.72	9.72	9.69	9.67	9.69	9.67	0.05	30.41	48.94	29.29	30.56	2.18	143.0	1.10	1.08	1.07
151.0	9.74	9.73	9.70	9.67	9.70	9.68	0.06	30.36	49.09	29.20	30.32	2.28	151.0	1.10	1.08	1.08
159.0	9.77	9.76	9.73	9.70	9.73	9.71	0.07	30.34	49.48	29.19	30.05	2.42	159.0	1.10	1.09	1.08
167.0	9.77	9.77	9.74	9.71	9.74	9.72	0.07	30.36	50.33	29.19	29.77	2.55	167.0	1.10	1.10	1.09
175.0	9.79	9.79	9.76	9.72	9.77	9.73	0.07	30.36	50.58	29.22	29.59	2.69	175.0	1.10	1.11	1.09

<sup>1</sup>Total Loss = Insertion Loss + 9dB Splitter Loss

