

8 Way-0° Power Splitter/Combiner

PSC-8A-4+

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	3-4	6-7			S	1	8
5.0	9.51	9.50	9.48	9.48	9.47	9.47	0.04	25.99	38.34	26.38	26.57	0.09	5.0	1.39	1.13	1.14
7.5	9.49	9.49	9.48	9.48	9.46	9.46	0.03	26.08	38.60	26.35	26.44	0.15	7.5	1.38	1.11	1.11
10.0	9.49	9.49	9.47	9.48	9.47	9.46	0.04	26.07	38.65	26.30	26.38	0.17	10.0	1.38	1.10	1.10
15.0	9.49	9.48	9.46	9.47	9.45	9.45	0.04	26.00	38.69	26.19	26.27	0.18	15.0	1.38	1.10	1.10
20.0	9.49	9.49	9.47	9.49	9.47	9.47	0.04	25.95	38.62	26.13	26.21	0.22	20.0	1.38	1.10	1.10
25.0	9.50	9.49	9.47	9.48	9.47	9.46	0.04	25.99	38.52	26.18	26.27	0.32	25.0	1.38	1.11	1.11
30.0	9.48	9.48	9.46	9.47	9.45	9.45	0.04	26.23	38.44	26.44	26.50	0.31	30.0	1.38	1.12	1.12
35.0	9.48	9.48	9.46	9.47	9.45	9.46	0.03	26.80	38.29	27.02	27.09	0.27	35.0	1.38	1.12	1.12
40.0	9.50	9.49	9.47	9.49	9.47	9.47	0.03	27.66	38.22	27.92	27.94	0.32	40.0	1.39	1.13	1.13
45.0	9.53	9.53	9.50	9.51	9.50	9.49	0.04	28.66	38.12	28.96	28.92	0.41	45.0	1.39	1.13	1.13
50.0	9.55	9.56	9.52	9.54	9.52	9.52	0.04	29.71	38.01	30.08	29.99	0.52	50.0	1.40	1.14	1.13
60.0	9.57	9.58	9.55	9.57	9.54	9.55	0.03	31.86	37.85	32.38	32.09	0.53	60.0	1.41	1.14	1.14
70.0	9.59	9.59	9.57	9.59	9.56	9.56	0.03	34.30	37.62	34.97	34.36	0.59	70.0	1.42	1.15	1.15
80.0	9.64	9.65	9.62	9.63	9.61	9.61	0.04	37.01	37.49	37.92	36.72	0.70	80.0	1.44	1.16	1.15
90.0	9.70	9.72	9.68	9.71	9.68	9.68	0.04	39.92	37.35	40.84	38.72	0.79	90.0	1.46	1.17	1.16
100.0	9.77	9.78	9.74	9.78	9.74	9.74	0.05	42.01	37.19	42.08	39.49	0.82	100.0	1.48	1.17	1.17
110.0	9.80	9.81	9.76	9.80	9.77	9.77	0.05	41.82	37.01	40.79	38.66	0.87	110.0	1.50	1.18	1.17
120.0	9.79	9.81	9.77	9.80	9.77	9.77	0.04	39.86	36.83	38.62	37.13	0.94	120.0	1.52	1.18	1.18
130.0	9.80	9.83	9.78	9.81	9.78	9.78	0.05	37.94	36.69	36.60	35.59	1.00	130.0	1.54	1.18	1.18
140.0	9.80	9.84	9.78	9.81	9.78	9.78	0.07	36.27	36.66	35.02	34.25	1.14	140.0	1.56	1.19	1.18
150.0	9.79	9.82	9.78	9.80	9.77	9.77	0.06	34.77	36.24	33.70	33.07	1.22	150.0	1.58	1.19	1.19
160.0	9.77	9.80	9.75	9.78	9.74	9.76	0.06	33.65	36.05	32.66	32.08	1.27	160.0	1.59	1.21	1.20
170.0	9.83	9.85	9.81	9.83	9.80	9.81	0.06	32.78	35.91	31.84	31.29	1.43	170.0	1.61	1.22	1.21
180.0	9.97	10.00	9.95	10.00	9.95	9.96	0.06	32.12	35.83	31.21	30.70	1.53	180.0	1.63	1.23	1.23
190.0	10.07	10.12	10.05	10.10	10.06	10.06	0.08	31.54	35.72	30.67	30.20	1.52	190.0	1.65	1.24	1.23
200.0	10.06	10.10	10.04	10.10	10.05	10.05	0.07	31.00	35.56	30.12	29.67	1.54	200.0	1.67	1.24	1.24
210.0	10.01	10.05	9.99	10.05	10.01	10.01	0.06	30.52	35.36	29.66	29.23	1.61	210.0	1.68	1.24	1.24
220.0	9.95	9.99	9.94	9.99	9.94	9.95	0.05	30.14	35.20	29.28	28.84	1.71	220.0	1.69	1.24	1.23
230.0	9.90	9.94	9.90	9.93	9.89	9.90	0.06	29.84	35.04	28.96	28.51	1.79	230.0	1.70	1.23	1.23
240.0	9.87	9.91	9.87	9.90	9.86	9.87	0.06	29.58	34.89	28.71	28.26	1.92	240.0	1.71	1.24	1.23
250.0	9.88	9.90	9.88	9.89	9.85	9.85	0.07	29.38	34.73	28.49	28.03	2.03	250.0	1.71	1.25	1.24
275.0	10.20	10.24	10.20	10.25	10.21	10.19	0.08	29.36	34.60	28.43	27.93	2.34	275.0	1.71	1.27	1.27
300.0	10.09	10.15	10.10	10.16	10.11	10.10	0.09	29.36	34.23	28.35	27.78	2.50	300.0	1.72	1.27	1.27
325.0	9.96	10.00	9.97	10.02	9.96	9.96	0.08	29.68	33.91	28.57	27.90	2.68	325.0	1.70	1.26	1.26
350.0	10.04	10.09	10.07	10.09	10.04	10.04	0.09	30.42	33.63	29.15	28.32	2.98	350.0	1.66	1.27	1.27
375.0	10.22	10.28	10.25	10.30	10.23	10.22	0.11	31.81	33.52	30.25	29.15	3.24	375.0	1.61	1.27	1.27
400.0	10.02	10.08	10.04	10.11	10.04	10.03	0.12	33.51	33.16	31.54	30.06	3.54	400.0	1.56	1.25	1.26
425.0	10.01	10.06	10.03	10.09	10.01	10.02	0.13	36.56	32.92	33.74	31.51	3.77	425.0	1.50	1.25	1.26
450.0	10.07	10.14	10.12	10.16	10.10	10.08	0.14	42.38	32.81	37.15	33.57	4.24	450.0	1.41	1.24	1.25
475.0	10.01	10.09	10.04	10.12	10.04	10.02	0.17	46.14	32.61	41.22	35.93	4.49	475.0	1.33	1.23	1.24
500.0	10.05	10.14	10.07	10.18	10.09	10.07	0.18	37.15	32.52	38.45	37.11	4.90	500.0	1.25	1.21	1.24

¹Total Loss = Insertion Loss + 9dB Splitter Loss



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Page 1 of 1