

8 Way-0° Power Splitter/Combiner

PSC-8-1-75+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹						AMP. UNBAL. (dB)	ISOLATION				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	(dB)							(dB)						S	(:1)	
	S-1	S-2	S-3	S-4	S-6	S-8		1-2	1-7	3-4	5-7				1	8
0.5	9.64	9.64	9.64	9.65	9.69	9.71	0.06	29.22	35.73	31.36	32.59	0.20	0.5	1.26	1.40	1.37
1.0	9.59	9.59	9.59	9.59	9.63	9.64	0.06	31.59	37.83	32.92	34.79	0.08	1.0	1.16	1.28	1.26
1.5	9.52	9.53	9.53	9.53	9.56	9.57	0.05	32.08	38.90	33.69	36.03	0.10	1.5	1.13	1.23	1.22
2.0	9.48	9.49	9.48	9.49	9.51	9.52	0.04	32.42	39.70	34.18	36.97	0.11	2.0	1.11	1.21	1.20
2.5	9.45	9.45	9.45	9.45	9.47	9.48	0.04	32.73	40.32	34.47	37.69	0.12	2.5	1.09	1.19	1.18
3.0	9.43	9.43	9.42	9.42	9.44	9.46	0.03	33.07	40.77	34.62	38.18	0.12	3.0	1.08	1.17	1.16
3.5	9.41	9.41	9.41	9.41	9.43	9.44	0.02	33.38	41.12	34.76	38.61	0.10	3.5	1.07	1.16	1.15
4.0	9.40	9.40	9.40	9.41	9.42	9.43	0.03	33.64	41.35	34.79	38.90	0.09	4.0	1.06	1.15	1.15
4.5	9.40	9.40	9.40	9.40	9.42	9.42	0.03	33.87	41.52	34.82	39.16	0.07	4.5	1.05	1.15	1.14
5.0	9.39	9.40	9.39	9.39	9.40	9.42	0.03	34.05	41.69	34.88	39.29	0.08	5.0	1.05	1.14	1.14
10.0	9.39	9.40	9.40	9.40	9.40	9.41	0.02	34.80	42.11	34.83	40.12	0.06	10.0	1.02	1.12	1.12
15.0	9.41	9.41	9.41	9.41	9.41	9.43	0.02	34.88	42.13	34.70	40.29	0.14	15.0	1.03	1.12	1.12
20.0	9.43	9.43	9.42	9.43	9.43	9.44	0.02	34.97	42.18	34.66	40.35	0.21	20.0	1.05	1.12	1.12
25.0	9.45	9.45	9.45	9.45	9.45	9.46	0.01	35.01	42.05	34.60	40.22	0.25	25.0	1.07	1.13	1.13
30.0	9.46	9.47	9.46	9.46	9.46	9.47	0.02	34.96	41.83	34.61	40.06	0.31	30.0	1.09	1.13	1.13
35.0	9.47	9.47	9.47	9.47	9.46	9.48	0.02	35.04	41.97	34.63	39.95	0.38	35.0	1.10	1.13	1.13
40.0	9.49	9.50	9.49	9.49	9.48	9.50	0.02	35.05	41.95	34.63	39.72	0.42	40.0	1.12	1.14	1.14
45.0	9.50	9.50	9.50	9.49	9.49	9.51	0.02	35.19	41.65	34.72	39.46	0.50	45.0	1.14	1.14	1.14
50.0	9.51	9.51	9.51	9.51	9.50	9.52	0.02	35.27	41.92	34.81	39.20	0.52	50.0	1.16	1.15	1.15
55.0	9.53	9.54	9.52	9.52	9.52	9.54	0.02	35.38	41.73	34.99	38.91	0.58	55.0	1.17	1.15	1.15
60.0	9.55	9.55	9.55	9.54	9.53	9.55	0.03	35.52	41.72	35.04	38.62	0.71	60.0	1.19	1.16	1.15
65.0	9.58	9.57	9.56	9.56	9.55	9.57	0.03	35.66	41.79	35.23	38.31	0.72	65.0	1.21	1.16	1.16
70.0	9.60	9.59	9.58	9.58	9.57	9.58	0.03	35.80	41.72	35.38	37.90	0.80	70.0	1.22	1.17	1.16
75.0	9.61	9.61	9.60	9.59	9.58	9.60	0.04	35.97	41.68	35.54	37.49	0.85	75.0	1.24	1.18	1.17
80.0	9.63	9.62	9.61	9.60	9.60	9.61	0.04	36.12	41.63	35.70	37.14	0.93	80.0	1.26	1.18	1.17
82.5	9.63	9.63	9.61	9.60	9.59	9.62	0.04	36.23	41.63	35.84	36.98	0.91	82.5	1.26	1.18	1.18
85.0	9.64	9.64	9.62	9.61	9.60	9.62	0.04	36.29	41.51	35.91	36.75	0.95	85.0	1.27	1.19	1.18
87.5	9.64	9.64	9.62	9.61	9.60	9.62	0.05	36.36	41.55	36.00	36.62	0.97	87.5	1.28	1.19	1.18
90.0	9.65	9.65	9.63	9.62	9.61	9.63	0.05	36.43	41.44	36.13	36.39	1.01	90.0	1.29	1.19	1.18
100.0	9.68	9.67	9.65	9.64	9.62	9.65	0.06	36.75	41.32	36.45	35.57	1.14	100.0	1.32	1.20	1.20
110.0	9.72	9.71	9.68	9.67	9.65	9.68	0.07	37.02	41.23	36.91	34.81	1.22	110.0	1.35	1.22	1.21
120.0	9.77	9.75	9.73	9.71	9.69	9.71	0.09	37.13	40.94	37.36	34.06	1.29	120.0	1.38	1.23	1.22
130.0	9.80	9.78	9.75	9.73	9.72	9.73	0.10	37.19	40.73	37.65	33.30	1.45	130.0	1.41	1.25	1.23
140.0	9.85	9.82	9.79	9.76	9.75	9.77	0.11	37.08	40.49	37.91	32.56	1.53	140.0	1.43	1.26	1.24
145.0	9.86	9.84	9.80	9.78	9.76	9.78	0.12	36.96	40.19	38.03	32.20	1.60	145.0	1.44	1.27	1.25
150.0	9.90	9.88	9.84	9.81	9.80	9.82	0.12	36.82	40.11	38.05	31.85	1.64	150.0	1.45	1.27	1.25
155.0	9.92	9.89	9.86	9.83	9.81	9.82	0.12	36.56	39.92	38.10	31.52	1.71	155.0	1.45	1.28	1.25
160.0	9.94	9.91	9.87	9.84	9.83	9.84	0.13	36.38	39.66	38.04	31.18	1.75	160.0	1.46	1.28	1.26
165.0	9.94	9.91	9.87	9.84	9.82	9.84	0.15	36.07	39.45	37.92	30.82	1.80	165.0	1.46	1.29	1.26
170.0	9.94	9.91	9.87	9.84	9.82	9.83	0.15	35.78	39.29	37.78	30.48	1.89	170.0	1.46	1.29	1.26
175.0	9.94	9.91	9.87	9.83	9.82	9.83	0.15	35.47	39.13	37.68	30.17	1.89	175.0	1.46	1.29	1.26

¹Total Loss = Insertion Loss + 9dB Splitter Loss

REV. X2
PSC-8-1-75+
100624
Page 1 of 1

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