

3 Way-0° Power Splitter/Combiner

PSC-3-13-39+

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		1-2	1-3	2-3			S	1	2	3
0.50	5.04	5.03	5.03	0.01	37.06	37.89	37.70	0.20	0.50	1.06	1.13	1.13	1.13
1.00	4.99	4.99	5.00	0.01	40.33	42.09	41.28	0.02	1.00	1.04	1.09	1.10	1.09
1.50	4.98	4.97	4.98	0.01	42.24	44.40	43.27	0.07	1.50	1.03	1.08	1.08	1.07
2.00	4.94	4.96	4.95	0.02	43.30	45.33	44.31	0.16	2.00	1.03	1.06	1.07	1.06
2.50	4.92	4.95	4.93	0.02	43.90	45.85	45.04	0.12	2.50	1.02	1.06	1.06	1.06
3.00	4.94	4.93	4.94	0.01	44.60	46.47	45.78	0.06	3.00	1.02	1.05	1.06	1.05
3.50	4.95	4.95	4.93	0.02	44.87	46.62	46.10	0.12	3.50	1.02	1.05	1.05	1.05
4.00	4.95	4.92	4.94	0.02	45.07	46.47	46.17	0.09	4.00	1.02	1.05	1.05	1.05
5.00	4.93	4.94	4.93	0.01	45.11	46.41	46.38	0.16	5.00	1.02	1.05	1.05	1.04
6.00	4.94	4.93	4.93	0.01	45.33	46.65	46.40	0.18	6.00	1.02	1.04	1.04	1.04
7.00	4.94	4.95	4.95	0.01	45.20	46.36	46.45	0.13	7.00	1.02	1.04	1.04	1.04
8.00	4.93	4.94	4.94	0.01	45.10	46.22	46.28	0.18	8.00	1.02	1.04	1.04	1.04
9.00	4.94	4.96	4.96	0.02	45.08	46.02	46.04	0.10	9.00	1.02	1.04	1.04	1.04
10.00	4.96	4.94	4.93	0.03	45.32	46.00	46.24	0.15	10.00	1.02	1.04	1.04	1.04
11.00	4.98	4.96	4.94	0.03	44.91	45.94	46.23	0.13	11.00	1.02	1.04	1.04	1.04
12.00	4.97	4.94	4.96	0.02	45.11	45.81	46.17	0.23	12.00	1.02	1.04	1.04	1.04
13.00	4.95	4.96	4.94	0.02	44.69	45.67	45.94	0.15	13.00	1.02	1.04	1.04	1.04
14.00	4.93	4.94	4.94	0.01	44.60	45.34	45.53	0.10	14.00	1.02	1.04	1.04	1.04
15.00	4.96	4.95	4.96	0.01	44.57	45.16	45.73	0.21	15.00	1.02	1.04	1.04	1.04
16.00	4.97	4.97	4.97	0.01	44.49	45.02	45.82	0.27	16.00	1.02	1.04	1.04	1.04
17.00	4.97	4.96	4.97	0.01	44.73	45.29	45.89	0.33	17.00	1.02	1.04	1.04	1.04
18.00	4.98	4.99	4.97	0.02	44.60	44.68	45.13	0.16	18.00	1.03	1.04	1.04	1.04
19.00	4.97	4.98	4.97	0.01	44.09	45.19	45.43	0.12	19.00	1.02	1.04	1.04	1.04
20.00	4.98	4.99	4.97	0.02	43.96	44.52	44.98	0.19	20.00	1.03	1.04	1.04	1.04
21.00	4.98	4.98	4.98	0.01	44.36	44.39	45.14	0.22	21.00	1.03	1.04	1.04	1.04
22.00	4.98	4.99	4.99	0.00	44.39	45.19	45.28	0.18	22.00	1.03	1.04	1.04	1.04
23.00	5.02	4.99	5.01	0.03	44.30	45.02	45.41	0.28	23.00	1.03	1.04	1.04	1.04
24.00	4.98	5.00	4.99	0.01	44.21	44.63	45.20	0.36	24.00	1.03	1.04	1.04	1.04
25.00	5.01	5.00	5.01	0.01	43.80	44.40	44.70	0.34	25.00	1.03	1.04	1.04	1.04
26.00	5.00	5.00	4.98	0.02	43.78	44.36	44.78	0.25	26.00	1.03	1.04	1.04	1.04
27.00	5.00	4.99	5.00	0.00	43.51	44.41	44.30	0.29	27.00	1.03	1.04	1.04	1.04
28.00	4.99	5.00	4.98	0.01	43.87	44.29	44.78	0.24	28.00	1.03	1.04	1.04	1.04
29.00	4.99	5.02	4.99	0.02	43.93	44.42	45.12	0.37	29.00	1.03	1.04	1.04	1.04
30.00	4.99	5.00	5.00	0.01	43.64	44.24	44.83	0.43	30.00	1.03	1.04	1.04	1.04
32.00	4.99	5.00	5.00	0.02	43.50	44.12	44.83	0.42	32.00	1.03	1.04	1.04	1.04
35.00	5.02	5.01	5.00	0.01	43.44	44.18	44.44	0.29	35.00	1.04	1.04	1.04	1.04
38.00	5.01	5.01	5.03	0.02	43.58	44.11	44.73	0.29	38.00	1.04	1.04	1.04	1.04
41.00	5.04	5.01	5.02	0.03	43.17	43.63	44.30	0.38	41.00	1.04	1.04	1.04	1.04
44.00	5.03	5.03	5.04	0.01	43.19	43.59	44.20	0.48	44.00	1.04	1.04	1.04	1.04
47.00	5.03	5.04	5.02	0.01	43.27	43.87	44.00	0.55	47.00	1.05	1.04	1.04	1.04
50.00	5.02	5.03	5.03	0.01	43.53	43.92	44.35	0.47	50.00	1.05	1.04	1.04	1.04

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss



REV. X2

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