

3 Way-0° Power Splitter/Combiner

PSC-3-1+

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
1.0	5.09	5.09	5.09	0.01	35.60	34.74	36.19	0.02	1.0	1.15	1.15	1.15	1.15
1.9	5.11	5.10	5.10	0.01	37.61	37.41	38.01	0.04	1.9	1.10	1.10	1.10	1.10
2.8	5.09	5.09	5.09	0.00	38.28	38.36	38.64	0.01	2.8	1.08	1.08	1.08	1.08
3.7	5.08	5.08	5.08	0.00	38.39	38.54	38.71	0.04	3.7	1.07	1.07	1.07	1.07
4.6	5.09	5.09	5.09	0.00	38.32	38.56	38.65	0.10	4.6	1.06	1.06	1.06	1.06
5.5	5.08	5.08	5.09	0.01	38.23	38.43	38.53	0.05	5.5	1.05	1.05	1.05	1.05
6.4	5.10	5.09	5.09	0.01	38.21	38.37	38.46	0.08	6.4	1.05	1.05	1.05	1.05
7.3	5.09	5.09	5.09	0.00	38.01	38.22	38.27	0.04	7.3	1.04	1.04	1.04	1.04
8.2	5.10	5.10	5.10	0.00	37.92	38.10	38.20	0.05	8.2	1.04	1.04	1.04	1.04
9.1	5.09	5.10	5.10	0.01	37.82	38.01	38.08	0.11	9.1	1.04	1.04	1.04	1.04
10.0	5.10	5.09	5.11	0.01	37.65	37.88	38.00	0.09	10.0	1.04	1.04	1.04	1.04
15.0	5.12	5.11	5.12	0.00	37.33	37.52	37.61	0.12	15.0	1.04	1.04	1.04	1.03
20.0	5.12	5.13	5.12	0.01	37.23	37.36	37.42	0.12	20.0	1.04	1.04	1.04	1.04
25.0	5.13	5.14	5.14	0.01	37.00	37.18	37.27	0.15	25.0	1.04	1.04	1.04	1.04
30.0	5.13	5.14	5.13	0.02	36.85	37.07	37.13	0.19	30.0	1.04	1.04	1.04	1.04
35.0	5.15	5.15	5.14	0.01	36.83	36.96	37.08	0.18	35.0	1.04	1.04	1.04	1.05
40.0	5.16	5.15	5.16	0.01	36.87	36.99	37.06	0.28	40.0	1.05	1.05	1.05	1.05
45.0	5.16	5.16	5.16	0.00	36.84	36.81	36.96	0.30	45.0	1.05	1.05	1.05	1.06
50.0	5.18	5.16	5.17	0.01	36.89	36.75	36.96	0.26	50.0	1.05	1.05	1.06	1.06
55.0	5.17	5.18	5.18	0.01	36.88	36.65	36.94	0.25	55.0	1.06	1.06	1.06	1.07
60.0	5.18	5.18	5.19	0.02	37.05	36.66	37.02	0.38	60.0	1.06	1.06	1.06	1.07
65.0	5.18	5.19	5.20	0.01	37.17	36.65	37.01	0.34	65.0	1.07	1.07	1.07	1.08
70.0	5.19	5.19	5.19	0.00	37.30	36.48	36.96	0.38	70.0	1.07	1.07	1.07	1.08
75.0	5.20	5.20	5.20	0.00	37.44	36.42	36.93	0.47	75.0	1.07	1.07	1.08	1.09
80.0	5.21	5.21	5.21	0.00	37.63	36.33	36.96	0.44	80.0	1.08	1.08	1.08	1.09
85.0	5.22	5.21	5.23	0.01	37.85	36.25	36.98	0.48	85.0	1.08	1.08	1.09	1.10
90.0	5.23	5.22	5.24	0.01	38.11	36.11	37.03	0.44	90.0	1.09	1.09	1.09	1.10
95.0	5.23	5.23	5.25	0.03	38.29	36.00	36.97	0.50	95.0	1.09	1.09	1.10	1.11
100.0	5.23	5.22	5.25	0.02	38.66	35.96	37.05	0.58	100.0	1.10	1.10	1.10	1.11
110.0	5.25	5.25	5.28	0.03	39.31	35.61	36.82	0.56	110.0	1.11	1.11	1.11	1.13
120.0	5.27	5.27	5.30	0.03	39.91	35.15	36.65	0.63	120.0	1.12	1.12	1.12	1.14
130.0	5.27	5.29	5.31	0.04	40.65	34.71	36.28	0.62	130.0	1.13	1.13	1.13	1.15
140.0	5.30	5.31	5.34	0.03	41.15	34.16	35.85	0.67	140.0	1.14	1.14	1.14	1.16
150.0	5.32	5.33	5.37	0.05	41.09	33.47	35.16	0.78	150.0	1.15	1.15	1.16	1.18
160.0	5.36	5.36	5.40	0.04	40.56	32.77	34.39	0.77	160.0	1.16	1.16	1.17	1.19
170.0	5.38	5.38	5.44	0.06	39.30	31.94	33.49	0.76	170.0	1.17	1.17	1.18	1.21
180.0	5.41	5.41	5.48	0.07	37.89	31.17	32.59	0.81	180.0	1.19	1.19	1.19	1.22
185.0	5.41	5.43	5.49	0.09	37.11	30.74	32.13	0.82	185.0	1.19	1.19	1.20	1.23
190.0	5.43	5.45	5.53	0.10	36.29	30.37	31.62	0.89	190.0	1.20	1.20	1.21	1.24
195.0	5.44	5.45	5.54	0.09	35.44	29.89	31.13	0.80	195.0	1.21	1.21	1.22	1.25
200.0	5.45	5.47	5.56	0.10	34.60	29.47	30.61	0.88	200.0	1.21	1.21	1.22	1.26

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

