

3 Way-0° Power Splitter/Combiner

PSC-3-1A

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	5.02	5.02	5.01	0.01	36.87	35.64	37.13	0.02	1.0	1.06	1.14	1.13	1.14
2.0	5.02	5.01	5.01	0.01	41.03	38.26	40.92	0.08	2.0	1.04	1.10	1.09	1.10
3.0	4.99	5.00	5.00	0.01	43.72	39.72	43.18	0.09	3.0	1.03	1.08	1.07	1.08
4.0	5.01	5.00	5.00	0.01	46.38	40.75	45.31	0.09	4.0	1.03	1.07	1.06	1.07
5.0	5.00	4.99	4.99	0.01	48.06	41.28	46.49	0.07	5.0	1.03	1.06	1.06	1.06
10.0	5.01	5.02	5.00	0.02	47.56	41.43	46.88	0.08	10.0	1.03	1.05	1.04	1.05
15.0	5.01	5.01	5.00	0.02	44.09	40.69	44.27	0.12	15.0	1.03	1.05	1.04	1.05
20.0	5.01	5.01	5.00	0.02	41.81	39.74	42.21	0.18	20.0	1.03	1.04	1.03	1.04
25.0	5.02	5.02	5.02	0.00	39.84	38.61	40.56	0.19	25.0	1.04	1.04	1.03	1.04
30.0	5.04	5.04	5.03	0.01	38.41	37.86	39.12	0.21	30.0	1.04	1.04	1.03	1.04
35.0	5.05	5.05	5.04	0.01	37.18	37.06	37.94	0.27	35.0	1.04	1.04	1.03	1.04
40.0	5.05	5.04	5.04	0.01	36.07	36.33	36.87	0.30	40.0	1.05	1.04	1.03	1.04
45.0	5.05	5.05	5.05	0.01	35.28	35.67	36.07	0.28	45.0	1.05	1.04	1.03	1.04
50.0	5.06	5.06	5.07	0.01	34.48	35.01	35.33	0.39	50.0	1.05	1.03	1.03	1.04
55.0	5.07	5.07	5.07	0.01	33.84	34.52	34.66	0.40	55.0	1.05	1.03	1.03	1.04
60.0	5.08	5.08	5.09	0.01	33.16	34.04	34.03	0.40	60.0	1.06	1.03	1.03	1.04
65.0	5.08	5.09	5.09	0.01	32.63	33.53	33.49	0.50	65.0	1.06	1.03	1.02	1.04
70.0	5.08	5.09	5.09	0.01	32.12	33.21	32.99	0.51	70.0	1.06	1.03	1.02	1.04
80.0	5.11	5.10	5.11	0.01	31.23	32.38	32.06	0.60	80.0	1.06	1.03	1.02	1.04
90.0	5.11	5.12	5.13	0.02	30.44	31.73	31.30	0.70	90.0	1.07	1.03	1.02	1.04
100.0	5.13	5.13	5.16	0.03	29.78	31.18	30.67	0.69	100.0	1.07	1.02	1.02	1.05
110.0	5.14	5.13	5.16	0.02	29.24	30.70	30.15	0.82	110.0	1.07	1.02	1.03	1.05
120.0	5.15	5.16	5.18	0.03	28.82	30.33	29.71	0.84	120.0	1.07	1.03	1.03	1.06
130.0	5.17	5.17	5.21	0.04	28.44	30.04	29.35	0.94	130.0	1.07	1.03	1.04	1.06
140.0	5.19	5.18	5.22	0.04	28.19	29.81	29.13	0.98	140.0	1.07	1.03	1.04	1.07
150.0	5.19	5.20	5.24	0.05	27.98	29.68	28.92	1.16	150.0	1.07	1.04	1.05	1.08
160.0	5.21	5.21	5.25	0.04	27.88	29.62	28.84	1.05	160.0	1.06	1.05	1.06	1.09
170.0	5.23	5.24	5.28	0.05	27.83	29.67	28.84	1.11	170.0	1.06	1.05	1.07	1.10
180.0	5.23	5.24	5.31	0.08	27.84	29.77	28.89	1.13	180.0	1.05	1.06	1.08	1.11
190.0	5.25	5.27	5.32	0.08	27.97	29.97	29.08	1.38	190.0	1.05	1.07	1.09	1.12
200.0	5.26	5.28	5.35	0.09	28.17	30.25	29.37	1.37	200.0	1.05	1.08	1.10	1.14
210.0	5.28	5.30	5.38	0.09	28.50	30.74	29.83	1.45	210.0	1.05	1.09	1.11	1.15
220.0	5.30	5.32	5.41	0.11	28.93	31.27	30.39	1.32	220.0	1.06	1.10	1.12	1.17
230.0	5.32	5.34	5.42	0.09	29.50	32.05	31.21	1.36	230.0	1.07	1.12	1.13	1.18
240.0	5.35	5.38	5.48	0.13	30.27	33.15	32.28	1.52	240.0	1.09	1.13	1.15	1.20
250.0	5.38	5.40	5.51	0.13	31.22	34.62	33.70	1.50	250.0	1.11	1.14	1.16	1.22
260.0	5.41	5.44	5.57	0.16	32.41	36.35	35.56	1.60	260.0	1.13	1.16	1.17	1.23
270.0	5.45	5.47	5.60	0.15	33.88	38.94	38.39	1.49	270.0	1.16	1.17	1.19	1.25
280.0	5.48	5.52	5.66	0.17	35.47	42.39	42.28	1.52	280.0	1.20	1.18	1.20	1.27
290.0	5.51	5.57	5.70	0.19	36.34	43.04	44.21	1.51	290.0	1.24	1.20	1.22	1.29
300.0	5.56	5.61	5.76	0.20	35.87	39.02	39.97	1.58	300.0	1.28	1.21	1.24	1.31

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

