

# 3 Way-0° Power Splitter/Combiner

# PSC-3-2+

## Typical Performance Data

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (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
0.01	4.95	4.95	4.95	0.00	33.69	33.27	33.48	0.01	0.01	1.21	1.30	1.29	1.30
0.02	4.87	4.87	4.87	0.00	36.78	36.54	36.31	0.00	0.02	1.14	1.15	1.15	1.15
0.03	4.87	4.86	4.87	0.00	37.99	37.91	37.46	0.00	0.03	1.12	1.10	1.10	1.10
0.04	4.85	4.85	4.85	0.00	38.56	38.57	37.98	0.01	0.04	1.11	1.07	1.07	1.07
0.05	4.85	4.85	4.85	0.00	38.87	38.95	38.26	0.01	0.05	1.11	1.06	1.06	1.06
0.06	4.86	4.86	4.86	0.00	39.05	39.17	38.44	0.00	0.06	1.11	1.05	1.05	1.05
0.07	4.85	4.85	4.85	0.00	39.17	39.28	38.52	0.01	0.07	1.11	1.04	1.04	1.04
0.08	4.84	4.84	4.84	0.00	39.24	39.35	38.59	0.01	0.08	1.11	1.04	1.04	1.04
0.09	4.85	4.85	4.85	0.00	39.32	39.45	38.66	0.01	0.09	1.10	1.03	1.03	1.03
0.10	4.86	4.86	4.86	0.00	39.37	39.51	38.69	0.01	0.10	1.10	1.03	1.03	1.03
0.50	4.83	4.83	4.83	0.00	39.39	39.57	38.77	0.01	0.50	1.10	1.02	1.01	1.01
1.00	4.88	4.88	4.88	0.00	39.23	39.38	38.65	0.01	1.00	1.11	1.01	1.01	1.01
1.50	4.88	4.88	4.88	0.00	38.95	39.06	38.43	0.02	1.50	1.11	1.01	1.01	1.01
2.00	4.89	4.89	4.89	0.00	38.57	38.70	38.14	0.02	2.00	1.11	1.01	1.01	1.01
2.50	4.89	4.88	4.88	0.00	38.12	38.23	37.76	0.02	2.50	1.12	1.01	1.01	1.01
3.00	4.87	4.87	4.87	0.00	37.65	37.75	37.37	0.03	3.00	1.12	1.01	1.01	1.01
3.50	4.91	4.91	4.91	0.00	37.17	37.27	36.97	0.03	3.50	1.12	1.01	1.01	1.01
4.00	4.91	4.91	4.91	0.00	36.66	36.74	36.52	0.04	4.00	1.13	1.01	1.01	1.01
4.50	4.92	4.92	4.92	0.00	36.17	36.25	36.09	0.04	4.50	1.13	1.01	1.01	1.01
5.00	4.90	4.89	4.90	0.00	35.63	35.72	35.61	0.04	5.00	1.13	1.01	1.01	1.01
6.00	4.97	4.97	4.97	0.00	34.78	34.85	34.83	0.05	6.00	1.14	1.01	1.01	1.01
7.00	4.96	4.96	4.96	0.00	33.89	33.96	33.99	0.05	7.00	1.15	1.01	1.01	1.01
8.00	4.98	4.98	4.98	0.01	33.10	33.15	33.23	0.06	8.00	1.15	1.01	1.01	1.01
9.00	5.01	5.01	5.01	0.01	32.40	32.45	32.57	0.07	9.00	1.16	1.01	1.01	1.01
10.00	5.00	5.00	5.01	0.01	31.72	31.78	31.92	0.08	10.00	1.17	1.02	1.02	1.01
11.00	4.98	4.98	4.99	0.01	31.05	31.09	31.26	0.09	11.00	1.17	1.02	1.02	1.02
12.00	5.03	5.02	5.03	0.01	30.54	30.58	30.76	0.09	12.00	1.18	1.02	1.02	1.02
13.00	5.04	5.04	5.05	0.01	30.04	30.08	30.27	0.10	13.00	1.18	1.02	1.03	1.02
14.00	5.05	5.04	5.06	0.01	29.58	29.61	29.82	0.11	14.00	1.19	1.03	1.03	1.03
15.00	5.07	5.07	5.09	0.02	29.15	29.17	29.39	0.11	15.00	1.19	1.03	1.03	1.03
16.00	5.08	5.07	5.09	0.02	28.74	28.76	28.99	0.12	16.00	1.20	1.03	1.04	1.04
17.00	5.03	5.02	5.04	0.02	28.30	28.32	28.56	0.12	17.00	1.20	1.04	1.04	1.04
18.00	5.13	5.13	5.15	0.02	28.09	28.10	28.34	0.13	18.00	1.20	1.04	1.04	1.05
19.00	5.11	5.11	5.13	0.03	27.73	27.73	27.97	0.13	19.00	1.21	1.05	1.05	1.05
20.00	5.12	5.12	5.15	0.03	27.44	27.43	27.68	0.15	20.00	1.21	1.05	1.05	1.06
21.00	5.19	5.18	5.21	0.03	27.25	27.23	27.48	0.15	21.00	1.21	1.06	1.06	1.06
22.00	5.16	5.15	5.19	0.03	26.95	26.93	27.19	0.15	22.00	1.22	1.06	1.06	1.07
24.00	5.18	5.18	5.22	0.04	26.53	26.48	26.75	0.16	24.00	1.23	1.08	1.08	1.08
26.00	5.14	5.13	5.18	0.05	26.17	26.09	26.37	0.17	26.00	1.23	1.09	1.09	1.10
28.00	5.26	5.26	5.31	0.06	25.97	25.86	26.15	0.17	28.00	1.25	1.11	1.10	1.11
30.00	5.18	5.17	5.23	0.06	25.70	25.56	25.85	0.17	30.00	1.26	1.12	1.12	1.13

<sup>1</sup>Total Loss = Insertion Loss + 4.8dB Splitter Loss