

3 Way-0° Power Splitter/Combiner

PSC-3-1W

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
5.0	5.04	5.04	5.03	0.01	33.54	33.69	33.71	0.04	5.0	1.11	1.05	1.05	1.05
10.0	5.03	5.03	5.05	0.02	33.29	33.40	33.46	0.08	10.0	1.11	1.04	1.04	1.04
15.0	5.05	5.04	5.05	0.01	32.96	33.10	33.16	0.09	15.0	1.11	1.04	1.04	1.04
20.0	5.06	5.05	5.05	0.01	32.64	32.80	32.78	0.12	20.0	1.11	1.04	1.03	1.04
25.0	5.07	5.07	5.06	0.01	32.27	32.48	32.49	0.14	25.0	1.11	1.03	1.03	1.03
30.0	5.07	5.07	5.07	0.00	31.82	32.09	32.02	0.22	30.0	1.11	1.03	1.03	1.03
35.0	5.09	5.09	5.09	0.00	31.52	31.83	31.71	0.21	35.0	1.11	1.03	1.03	1.03
40.0	5.08	5.09	5.08	0.01	31.09	31.45	31.26	0.26	40.0	1.12	1.03	1.03	1.03
45.0	5.10	5.10	5.10	0.01	30.76	31.13	30.89	0.18	45.0	1.12	1.03	1.03	1.03
50.0	5.10	5.11	5.10	0.01	30.39	30.81	30.55	0.32	50.0	1.12	1.03	1.03	1.03
55.0	5.10	5.11	5.11	0.01	30.01	30.47	30.15	0.27	55.0	1.13	1.03	1.03	1.03
60.0	5.12	5.11	5.11	0.01	29.67	30.16	29.81	0.33	60.0	1.13	1.03	1.03	1.03
65.0	5.12	5.12	5.13	0.01	29.34	29.88	29.50	0.44	65.0	1.14	1.03	1.03	1.03
70.0	5.13	5.14	5.13	0.01	29.01	29.58	29.14	0.40	70.0	1.14	1.03	1.03	1.03
75.0	5.14	5.14	5.14	0.00	28.64	29.21	28.79	0.38	75.0	1.15	1.03	1.03	1.03
80.0	5.14	5.14	5.14	0.00	28.33	28.95	28.49	0.38	80.0	1.15	1.03	1.03	1.03
85.0	5.16	5.16	5.15	0.01	28.01	28.66	28.14	0.54	85.0	1.16	1.03	1.03	1.03
90.0	5.16	5.15	5.16	0.01	27.74	28.42	27.88	0.49	90.0	1.16	1.03	1.02	1.02
95.0	5.18	5.17	5.16	0.01	27.44	28.11	27.59	0.44	95.0	1.17	1.03	1.02	1.02
100.0	5.17	5.18	5.16	0.01	27.15	27.83	27.31	0.50	100.0	1.17	1.03	1.02	1.02
110.0	5.18	5.19	5.17	0.01	26.65	27.37	26.78	0.54	110.0	1.18	1.03	1.02	1.02
120.0	5.19	5.20	5.19	0.02	26.15	26.90	26.31	0.62	120.0	1.19	1.03	1.02	1.02
130.0	5.20	5.22	5.20	0.02	25.71	26.47	25.85	0.65	130.0	1.20	1.03	1.02	1.02
140.0	5.22	5.24	5.23	0.02	25.33	26.12	25.48	0.80	140.0	1.21	1.03	1.02	1.02
150.0	5.24	5.26	5.23	0.03	24.94	25.78	25.11	0.79	150.0	1.22	1.03	1.02	1.02
160.0	5.26	5.28	5.26	0.02	24.61	25.45	24.77	0.87	160.0	1.23	1.03	1.02	1.02
170.0	5.28	5.31	5.27	0.04	24.29	25.15	24.45	0.81	170.0	1.24	1.03	1.02	1.02
180.0	5.30	5.32	5.28	0.04	24.01	24.89	24.19	0.85	180.0	1.25	1.03	1.02	1.02
200.0	5.33	5.35	5.31	0.03	23.50	24.43	23.72	0.88	200.0	1.27	1.03	1.02	1.02
225.0	5.39	5.36	5.32	0.07	23.02	23.97	23.27	0.96	225.0	1.29	1.03	1.03	1.03
250.0	5.42	5.33	5.32	0.10	22.62	23.63	22.91	1.18	250.0	1.30	1.03	1.03	1.03
275.0	5.42	5.33	5.32	0.10	22.40	23.41	22.66	1.31	275.0	1.30	1.04	1.04	1.05
300.0	5.42	5.37	5.34	0.08	22.32	23.39	22.61	1.41	300.0	1.30	1.05	1.05	1.06
325.0	5.45	5.38	5.36	0.09	22.36	23.45	22.68	1.45	325.0	1.29	1.05	1.06	1.07
350.0	5.48	5.43	5.40	0.09	22.57	23.78	22.96	1.58	350.0	1.27	1.06	1.07	1.08
375.0	5.52	5.45	5.41	0.11	22.95	24.29	23.40	1.69	375.0	1.24	1.07	1.08	1.09
400.0	5.53	5.46	5.43	0.10	23.43	24.96	23.96	1.71	400.0	1.21	1.08	1.09	1.10
425.0	5.57	5.49	5.44	0.12	24.12	26.01	24.77	1.87	425.0	1.17	1.08	1.11	1.11
450.0	5.62	5.53	5.49	0.13	24.95	27.42	25.70	1.90	450.0	1.12	1.09	1.12	1.12
475.0	5.65	5.54	5.50	0.16	25.70	29.09	26.49	1.88	475.0	1.07	1.10	1.13	1.13
500.0	5.69	5.57	5.53	0.16	26.04	30.58	26.69	2.05	500.0	1.05	1.11	1.14	1.14

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

REV. X2
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