

3 Way-0° Power Splitter/Combiner

PSC-3-1-75+

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	2-3	3-4			S	1	2	3
1.0	5.21	5.21	5.21	0.00	34.73	34.38	33.33	0.11	1.0	1.13	1.19	1.20	1.20
1.8	5.18	5.18	5.19	0.01	36.36	35.96	35.14	0.04	1.8	1.10	1.14	1.15	1.15
2.5	5.15	5.16	5.16	0.01	37.13	36.73	35.97	0.01	2.5	1.08	1.12	1.12	1.12
3.3	5.15	5.15	5.15	0.01	37.66	37.21	36.59	0.04	3.3	1.07	1.10	1.10	1.10
4.0	5.13	5.14	5.14	0.01	38.00	37.43	36.99	0.09	4.0	1.06	1.09	1.09	1.09
4.8	5.13	5.13	5.13	0.01	38.22	37.55	37.25	0.08	4.8	1.05	1.08	1.08	1.08
5.5	5.13	5.15	5.13	0.02	38.39	37.62	37.41	0.06	5.5	1.05	1.07	1.07	1.08
6.3	5.14	5.14	5.14	0.00	38.46	37.65	37.55	0.03	6.3	1.04	1.07	1.07	1.07
7.0	5.14	5.13	5.13	0.01	38.47	37.70	37.61	0.06	7.0	1.04	1.06	1.07	1.07
7.8	5.13	5.13	5.13	0.00	38.53	37.68	37.67	0.07	7.8	1.04	1.06	1.06	1.06
8.5	5.13	5.14	5.15	0.01	38.54	37.66	37.70	0.12	8.5	1.03	1.06	1.06	1.06
9.3	5.13	5.14	5.13	0.01	38.52	37.63	37.69	0.07	9.3	1.03	1.06	1.06	1.06
10.0	5.15	5.14	5.15	0.01	38.50	37.65	37.67	0.02	10.0	1.03	1.06	1.06	1.06
17.5	5.15	5.15	5.15	0.00	38.33	37.59	37.70	0.14	17.5	1.03	1.06	1.06	1.06
25.0	5.15	5.17	5.16	0.02	38.12	37.58	37.64	0.13	25.0	1.05	1.07	1.06	1.07
32.5	5.16	5.16	5.16	0.01	38.13	37.59	37.68	0.18	32.5	1.06	1.08	1.08	1.08
40.0	5.17	5.17	5.18	0.01	38.10	37.71	37.71	0.20	40.0	1.08	1.09	1.09	1.09
47.5	5.18	5.19	5.19	0.01	38.09	37.90	37.81	0.34	47.5	1.10	1.10	1.10	1.11
55.0	5.19	5.19	5.19	0.00	38.22	38.09	38.02	0.32	55.0	1.11	1.11	1.11	1.12
62.5	5.19	5.20	5.21	0.01	38.56	38.28	38.21	0.38	62.5	1.13	1.13	1.13	1.14
70.0	5.21	5.22	5.24	0.03	38.68	38.70	38.51	0.49	70.0	1.15	1.14	1.14	1.15
77.5	5.23	5.23	5.22	0.00	38.91	39.05	38.78	0.45	77.5	1.16	1.15	1.15	1.17
85.0	5.24	5.25	5.25	0.01	39.26	39.53	39.25	0.50	85.0	1.18	1.17	1.17	1.18
92.5	5.23	5.24	5.24	0.01	39.60	40.08	39.68	0.56	92.5	1.19	1.18	1.18	1.20
100.0	5.24	5.25	5.26	0.02	40.03	40.73	40.40	0.62	100.0	1.21	1.19	1.20	1.21
110.0	5.25	5.26	5.27	0.01	40.66	41.80	41.20	0.64	110.0	1.23	1.21	1.22	1.24
116.0	5.26	5.27	5.29	0.03	40.96	42.54	41.93	0.62	116.0	1.25	1.23	1.23	1.25
122.0	5.28	5.29	5.30	0.02	41.39	43.52	42.77	0.68	122.0	1.26	1.24	1.24	1.26
128.0	5.29	5.30	5.32	0.03	41.79	44.58	43.64	0.69	128.0	1.28	1.25	1.25	1.28
134.0	5.30	5.32	5.33	0.03	42.02	45.92	44.51	0.78	134.0	1.29	1.26	1.26	1.29
140.0	5.31	5.33	5.35	0.04	42.22	47.32	45.92	0.81	140.0	1.31	1.27	1.27	1.31
146.0	5.33	5.33	5.36	0.03	42.29	49.30	47.39	0.80	146.0	1.33	1.29	1.29	1.32
152.0	5.32	5.35	5.38	0.05	42.34	51.96	49.22	0.92	152.0	1.34	1.30	1.30	1.34
158.0	5.34	5.35	5.39	0.05	42.09	54.45	51.69	0.90	158.0	1.35	1.31	1.31	1.35
164.0	5.35	5.36	5.41	0.06	41.71	55.87	54.84	0.90	164.0	1.37	1.32	1.32	1.36
170.0	5.36	5.38	5.42	0.05	41.01	53.93	56.79	0.96	170.0	1.38	1.34	1.34	1.38
176.0	5.37	5.39	5.43	0.05	40.46	50.66	54.92	1.04	176.0	1.39	1.35	1.35	1.39
182.0	5.37	5.38	5.43	0.06	39.82	48.28	51.81	1.04	182.0	1.41	1.36	1.36	1.41
188.0	5.36	5.38	5.43	0.07	39.02	45.89	48.65	1.06	188.0	1.42	1.37	1.37	1.42
194.0	5.36	5.39	5.43	0.08	38.25	44.06	46.53	1.08	194.0	1.43	1.38	1.39	1.43
200.0	5.38	5.39	5.44	0.07	37.49	42.38	44.44	1.12	200.0	1.45	1.40	1.40	1.45

¹Total Loss = Insertion Loss + 4.8dB Splitter Loss

