

5 Way-0° Power Splitter/Combiner

PSC-5-1+

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	S-4	S-5		1-2	2-3	3-4	2-5			S	1	2	3	4
1.0	7.29	7.31	7.40	7.39	7.36	0.11	52.12	42.15	45.77	26.71	0.16	1.0	1.12	1.22	1.21	1.21	1.22
2.0	7.24	7.26	7.35	7.33	7.30	0.12	48.50	49.36	45.57	29.07	0.12	2.0	1.10	1.14	1.14	1.13	1.14
3.0	7.21	7.24	7.32	7.31	7.28	0.11	46.95	52.28	45.20	29.85	0.09	3.0	1.09	1.11	1.11	1.10	1.11
4.0	7.20	7.22	7.32	7.30	7.27	0.11	46.09	50.96	44.80	30.12	0.09	4.0	1.09	1.10	1.10	1.09	1.09
5.0	7.21	7.23	7.32	7.30	7.27	0.11	45.47	49.28	44.56	30.29	0.06	5.0	1.09	1.10	1.09	1.08	1.08
6.0	7.21	7.22	7.31	7.30	7.27	0.10	44.83	48.15	44.30	30.30	0.08	6.0	1.08	1.09	1.09	1.08	1.08
7.0	7.21	7.23	7.31	7.30	7.27	0.11	44.38	47.10	43.91	30.33	0.14	7.0	1.08	1.09	1.09	1.07	1.08
8.0	7.20	7.23	7.32	7.31	7.28	0.11	43.88	46.31	43.55	30.32	0.14	8.0	1.08	1.09	1.09	1.07	1.07
9.0	7.22	7.24	7.32	7.31	7.28	0.11	43.42	45.58	43.18	30.32	0.13	9.0	1.08	1.09	1.08	1.07	1.07
10.0	7.21	7.24	7.32	7.31	7.28	0.11	43.00	44.84	42.73	30.28	0.12	10.0	1.09	1.09	1.08	1.07	1.07
15.0	7.23	7.24	7.34	7.32	7.29	0.10	40.92	42.11	40.68	30.10	0.25	15.0	1.10	1.09	1.08	1.07	1.07
20.0	7.25	7.27	7.35	7.34	7.31	0.10	39.16	40.15	38.78	29.90	0.34	20.0	1.11	1.09	1.08	1.07	1.07
25.0	7.25	7.27	7.36	7.34	7.32	0.11	37.61	38.55	37.21	29.68	0.46	25.0	1.12	1.08	1.08	1.06	1.06
30.0	7.26	7.28	7.36	7.35	7.33	0.10	36.36	37.20	35.83	29.48	0.58	30.0	1.14	1.08	1.08	1.06	1.06
40.0	7.29	7.31	7.39	7.37	7.35	0.09	34.20	34.99	33.63	29.02	0.74	40.0	1.18	1.08	1.08	1.06	1.06
50.0	7.36	7.37	7.45	7.44	7.42	0.09	32.53	33.29	31.94	28.57	0.96	50.0	1.21	1.08	1.08	1.06	1.06
60.0	7.40	7.41	7.48	7.46	7.46	0.08	31.16	31.89	30.56	28.12	1.05	60.0	1.25	1.08	1.08	1.07	1.07
70.0	7.38	7.39	7.45	7.44	7.44	0.07	29.99	30.72	29.40	27.64	1.32	70.0	1.29	1.09	1.08	1.07	1.07
80.0	7.40	7.41	7.47	7.45	7.46	0.07	28.98	29.70	28.38	27.17	1.48	80.0	1.33	1.09	1.08	1.07	1.07
90.0	7.48	7.48	7.53	7.52	7.53	0.05	28.13	28.87	27.51	26.73	1.67	90.0	1.38	1.09	1.08	1.07	1.07
100.0	7.55	7.55	7.59	7.59	7.60	0.05	27.39	28.12	26.78	26.32	1.77	100.0	1.42	1.09	1.08	1.07	1.07
110.0	7.57	7.57	7.60	7.59	7.62	0.05	26.73	27.44	26.11	25.91	1.97	110.0	1.46	1.09	1.08	1.07	1.07
120.0	7.61	7.60	7.63	7.62	7.65	0.05	26.14	26.84	25.51	25.54	2.07	120.0	1.50	1.08	1.07	1.06	1.06
130.0	7.66	7.66	7.67	7.68	7.71	0.05	25.62	26.33	25.00	25.19	2.18	130.0	1.53	1.08	1.07	1.06	1.06
140.0	7.67	7.67	7.68	7.69	7.72	0.05	25.18	25.88	24.55	24.88	2.27	140.0	1.55	1.08	1.07	1.06	1.06
150.0	7.64	7.64	7.65	7.65	7.70	0.06	24.80	25.61	24.16	24.59	2.46	150.0	1.57	1.08	1.07	1.07	1.06
160.0	7.63	7.63	7.62	7.64	7.69	0.07	24.43	25.20	23.78	24.32	2.56	160.0	1.60	1.09	1.08	1.07	1.07
170.0	7.73	7.73	7.71	7.73	7.79	0.08	24.10	24.85	23.44	24.07	2.73	170.0	1.63	1.09	1.08	1.08	1.07
180.0	7.91	7.90	7.87	7.89	7.95	0.08	23.86	24.62	23.19	23.88	2.85	180.0	1.65	1.09	1.08	1.07	1.07
190.0	7.95	7.95	7.93	7.94	8.02	0.09	23.67	24.44	23.00	23.71	2.98	190.0	1.68	1.09	1.07	1.07	1.07
200.0	7.88	7.88	7.85	7.86	7.94	0.09	23.49	24.26	22.80	23.57	3.03	200.0	1.70	1.08	1.06	1.06	1.06
210.0	7.82	7.83	7.78	7.81	7.89	0.11	23.36	24.14	22.66	23.47	3.14	210.0	1.70	1.07	1.05	1.05	1.04
220.0	7.80	7.82	7.77	7.79	7.88	0.11	23.28	24.06	22.57	23.41	3.22	220.0	1.68	1.06	1.05	1.04	1.04
230.0	7.78	7.80	7.75	7.78	7.87	0.12	23.27	24.06	22.52	23.39	3.33	230.0	1.66	1.06	1.05	1.05	1.04
240.0	7.80	7.82	7.77	7.80	7.92	0.15	23.33	24.12	22.55	23.46	3.52	240.0	1.63	1.07	1.06	1.05	1.05
250.0	7.89	7.91	7.85	7.89	8.01	0.16	23.42	24.22	22.59	23.55	3.57	250.0	1.60	1.07	1.06	1.06	1.05
260.0	8.00	8.03	7.96	8.00	8.14	0.18	23.55	24.38	22.66	23.67	3.69	260.0	1.57	1.07	1.05	1.05	1.05
270.0	8.04	8.08	8.01	8.06	8.20	0.19	23.77	24.66	22.84	23.90	3.76	270.0	1.54	1.06	1.04	1.04	1.03
280.0	7.95	8.00	7.94	7.98	8.13	0.20	24.10	25.06	23.08	24.25	4.00	280.0	1.50	1.05	1.03	1.03	1.02
290.0	7.80	7.87	7.80	7.85	8.01	0.21	24.45	25.51	23.32	24.68	4.27	290.0	1.44	1.04	1.02	1.03	1.02
300.0	7.79	7.83	7.76	7.81	7.99	0.23	24.87	26.03	23.61	25.29	4.34	300.0	1.36	1.06	1.03	1.04	1.03

¹Total Loss = Insertion Loss + 7dB Splitter Loss

