

4 Way-0° Power Splitter/Combiner

PSC-4-1+

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		1-2	1-3	2-3			S	1	2	3	4
0.1	6.27	6.28	6.28	6.27	0.01	28.07	29.19	27.60	0.38	0.1	1.32	1.53	1.52	1.53	1.53
0.2	6.25	6.27	6.26	6.26	0.01	28.83	35.17	28.43	0.24	0.2	1.26	1.28	1.28	1.29	1.28
0.3	6.26	6.26	6.26	6.27	0.01	29.01	38.45	28.71	0.17	0.3	1.24	1.23	1.23	1.23	1.23
0.4	6.26	6.27	6.27	6.27	0.01	29.11	40.88	28.81	0.12	0.4	1.24	1.21	1.21	1.21	1.21
0.5	6.25	6.26	6.27	6.26	0.01	29.17	42.59	28.86	0.11	0.5	1.24	1.20	1.20	1.20	1.20
0.6	6.26	6.27	6.27	6.27	0.01	29.23	43.79	28.91	0.11	0.6	1.24	1.20	1.19	1.20	1.19
0.7	6.26	6.24	6.26	6.26	0.02	29.27	44.84	28.96	0.11	0.7	1.24	1.19	1.19	1.19	1.19
0.8	6.26	6.25	6.26	6.26	0.01	29.33	45.63	29.02	0.12	0.8	1.24	1.19	1.19	1.19	1.19
0.9	6.25	6.26	6.25	6.25	0.01	29.37	46.20	29.10	0.10	0.9	1.24	1.19	1.18	1.19	1.18
1.0	6.25	6.24	6.26	6.24	0.01	29.38	46.31	29.11	0.09	1.0	1.24	1.19	1.18	1.19	1.18
2.0	6.22	6.23	6.23	6.24	0.02	29.51	47.47	29.27	0.06	2.0	1.25	1.17	1.17	1.17	1.17
3.0	6.22	6.22	6.23	6.23	0.01	29.57	47.50	29.30	0.06	3.0	1.26	1.16	1.16	1.17	1.16
4.0	6.22	6.22	6.22	6.23	0.01	29.62	47.49	29.36	0.10	4.0	1.26	1.16	1.16	1.16	1.16
5.0	6.22	6.22	6.23	6.22	0.01	29.68	47.55	29.43	0.11	5.0	1.26	1.16	1.16	1.16	1.16
6.0	6.22	6.23	6.22	6.24	0.02	29.73	47.30	29.45	0.10	6.0	1.26	1.16	1.15	1.16	1.15
7.0	6.23	6.22	6.23	6.23	0.01	29.78	47.54	29.51	0.10	7.0	1.27	1.15	1.15	1.15	1.15
8.0	6.23	6.24	6.23	6.24	0.01	29.83	47.46	29.56	0.06	8.0	1.27	1.15	1.15	1.15	1.15
9.0	6.24	6.23	6.25	6.24	0.01	29.88	47.57	29.61	0.06	9.0	1.27	1.15	1.15	1.15	1.15
10.0	6.24	6.25	6.25	6.26	0.02	29.92	47.54	29.65	0.10	10.0	1.27	1.15	1.15	1.15	1.15
15.0	6.27	6.26	6.25	6.27	0.01	30.09	47.35	29.81	0.13	15.0	1.27	1.15	1.15	1.15	1.15
20.0	6.28	6.29	6.29	6.30	0.02	30.22	46.77	29.89	0.12	20.0	1.28	1.15	1.14	1.15	1.14
25.0	6.29	6.30	6.30	6.30	0.01	30.27	46.56	29.99	0.11	25.0	1.28	1.14	1.14	1.14	1.14
30.0	6.30	6.32	6.31	6.32	0.02	30.33	46.23	30.05	0.05	30.0	1.28	1.14	1.14	1.14	1.14
40.0	6.33	6.35	6.33	6.35	0.02	30.40	44.99	30.04	0.12	40.0	1.28	1.14	1.14	1.14	1.14
50.0	6.36	6.36	6.36	6.37	0.01	30.39	44.07	30.01	0.08	50.0	1.28	1.14	1.13	1.14	1.13
60.0	6.38	6.39	6.39	6.39	0.02	30.30	43.24	29.87	0.15	60.0	1.28	1.13	1.13	1.13	1.13
70.0	6.39	6.40	6.40	6.42	0.03	30.27	42.53	29.75	0.21	70.0	1.28	1.13	1.13	1.13	1.13
80.0	6.41	6.43	6.42	6.44	0.03	30.16	41.86	29.60	0.21	80.0	1.28	1.13	1.13	1.13	1.13
90.0	6.42	6.44	6.43	6.46	0.04	30.04	41.18	29.43	0.23	90.0	1.27	1.12	1.13	1.12	1.12
100.0	6.44	6.46	6.45	6.48	0.04	29.97	40.81	29.29	0.31	100.0	1.26	1.12	1.12	1.12	1.12
110.0	6.47	6.48	6.47	6.52	0.05	29.88	40.22	29.13	0.31	110.0	1.26	1.12	1.12	1.12	1.12
120.0	6.48	6.51	6.48	6.53	0.05	29.82	39.94	28.91	0.23	120.0	1.25	1.12	1.12	1.12	1.12
130.0	6.50	6.52	6.51	6.57	0.07	29.72	39.80	28.74	0.25	130.0	1.24	1.12	1.12	1.12	1.12
140.0	6.50	6.54	6.52	6.59	0.08	29.61	39.48	28.50	0.28	140.0	1.23	1.12	1.13	1.12	1.12
150.0	6.53	6.56	6.54	6.61	0.08	29.47	39.45	28.28	0.32	150.0	1.22	1.13	1.13	1.12	1.13
160.0	6.54	6.60	6.56	6.64	0.10	29.28	39.45	28.00	0.25	160.0	1.21	1.13	1.13	1.13	1.13
170.0	6.57	6.62	6.59	6.68	0.11	29.12	39.54	27.71	0.32	170.0	1.21	1.13	1.14	1.13	1.13
180.0	6.60	6.65	6.61	6.71	0.11	28.85	39.53	27.34	0.34	180.0	1.20	1.14	1.14	1.14	1.14
190.0	6.62	6.67	6.66	6.74	0.12	28.51	39.79	26.88	0.39	190.0	1.19	1.14	1.15	1.14	1.15
200.0	6.64	6.71	6.68	6.79	0.14	28.10	39.92	26.42	0.33	200.0	1.19	1.15	1.15	1.15	1.15

¹Total Loss = Insertion Loss + 6dB Splitter Loss

REV. X2

PSC-4-1+

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Page 1 of 1



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