

4 Way-0° Power Splitter/Combiner

PSC-4-1-75+

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	S-4		1-2	2-3	3-4			S	1	2	3	4
1.0	6.44	6.41	6.43	6.44	0.03	31.36	59.15	31.20	0.08	1.0	1.14	1.19	1.19	1.19	1.19
1.8	6.38	6.37	6.38	6.38	0.01	33.32	60.29	32.81	0.12	1.8	1.11	1.15	1.15	1.15	1.15
2.5	6.33	6.33	6.31	6.32	0.02	34.59	60.84	33.86	0.26	2.5	1.09	1.12	1.13	1.13	1.13
3.3	6.31	6.32	6.31	6.32	0.01	35.53	60.98	34.70	0.05	3.3	1.07	1.11	1.11	1.11	1.11
4.0	6.27	6.28	6.28	6.27	0.01	36.25	60.97	35.33	0.07	4.0	1.07	1.10	1.10	1.10	1.10
4.8	6.27	6.27	6.28	6.25	0.02	36.73	62.33	35.76	0.20	4.8	1.06	1.09	1.09	1.09	1.09
5.5	6.24	6.25	6.26	6.25	0.02	37.04	62.60	36.07	0.12	5.5	1.05	1.08	1.08	1.09	1.09
6.3	6.26	6.27	6.26	6.26	0.01	37.32	62.77	36.35	0.10	6.3	1.05	1.08	1.08	1.08	1.08
7.0	6.26	6.27	6.25	6.25	0.03	37.54	61.43	36.42	0.21	7.0	1.05	1.07	1.07	1.08	1.08
7.8	6.27	6.26	6.28	6.28	0.02	37.73	61.17	36.67	0.21	7.8	1.05	1.07	1.07	1.08	1.08
8.5	6.27	6.27	6.27	6.27	0.00	37.80	61.27	36.72	0.11	8.5	1.04	1.07	1.07	1.07	1.07
9.3	6.27	6.26	6.26	6.26	0.01	37.87	60.47	36.81	0.10	9.3	1.04	1.07	1.07	1.07	1.07
10.0	6.26	6.26	6.26	6.25	0.01	37.89	60.20	36.76	0.25	10.0	1.04	1.07	1.07	1.07	1.07
17.5	6.28	6.27	6.27	6.29	0.02	37.81	57.91	36.92	0.10	17.5	1.04	1.07	1.07	1.07	1.07
25.0	6.29	6.29	6.30	6.30	0.02	37.78	56.68	36.93	0.11	25.0	1.05	1.07	1.07	1.07	1.07
32.5	6.28	6.30	6.30	6.30	0.03	37.59	54.64	36.65	0.09	32.5	1.07	1.08	1.08	1.08	1.08
40.0	6.30	6.31	6.31	6.30	0.02	37.45	53.71	36.48	0.15	40.0	1.08	1.08	1.08	1.09	1.09
47.5	6.32	6.34	6.33	6.32	0.02	37.21	52.63	36.42	0.05	47.5	1.09	1.09	1.09	1.09	1.09
55.0	6.33	6.33	6.32	6.33	0.02	37.03	52.32	36.34	0.18	55.0	1.11	1.10	1.10	1.10	1.10
62.5	6.34	6.36	6.37	6.35	0.03	36.89	50.93	36.30	0.20	62.5	1.12	1.11	1.11	1.11	1.11
70.0	6.36	6.38	6.36	6.36	0.02	36.50	50.29	36.05	0.27	70.0	1.14	1.11	1.12	1.12	1.12
77.5	6.37	6.38	6.37	6.37	0.01	36.23	50.20	35.96	0.27	77.5	1.16	1.13	1.13	1.13	1.13
85.0	6.38	6.37	6.39	6.39	0.02	35.97	49.33	35.77	0.31	85.0	1.17	1.13	1.14	1.14	1.14
92.5	6.37	6.39	6.38	6.39	0.02	35.67	49.33	35.63	0.16	92.5	1.19	1.14	1.15	1.15	1.15
100.0	6.37	6.37	6.39	6.38	0.02	35.27	48.86	35.35	0.19	100.0	1.20	1.15	1.15	1.16	1.15
107.5	6.37	6.37	6.40	6.41	0.04	34.97	48.94	35.14	0.32	107.5	1.22	1.16	1.17	1.17	1.16
115.0	6.40	6.38	6.40	6.44	0.06	34.64	48.59	34.88	0.21	115.0	1.24	1.17	1.18	1.18	1.17
122.5	6.41	6.41	6.41	6.44	0.03	34.29	48.36	34.58	0.28	122.5	1.25	1.18	1.19	1.19	1.18
130.0	6.42	6.44	6.43	6.44	0.02	33.98	47.62	34.34	0.26	130.0	1.27	1.20	1.20	1.20	1.20
137.5	6.45	6.45	6.45	6.46	0.02	33.45	47.89	33.82	0.34	137.5	1.29	1.21	1.21	1.21	1.21
145.0	6.47	6.46	6.48	6.49	0.04	33.11	47.74	33.57	0.30	145.0	1.31	1.22	1.22	1.22	1.22
152.5	6.46	6.47	6.50	6.47	0.04	32.65	47.67	33.11	0.19	152.5	1.32	1.23	1.23	1.23	1.23
160.0	6.49	6.48	6.50	6.54	0.05	32.24	47.34	32.75	0.46	160.0	1.34	1.24	1.24	1.25	1.24
167.5	6.50	6.49	6.51	6.52	0.04	31.84	47.14	32.24	0.19	167.5	1.36	1.25	1.25	1.26	1.25
175.0	6.51	6.52	6.53	6.55	0.05	31.38	46.81	31.83	0.24	175.0	1.38	1.27	1.27	1.27	1.26
180.0	6.51	6.50	6.53	6.55	0.05	31.07	47.03	31.57	0.34	180.0	1.39	1.27	1.27	1.28	1.27
185.0	6.49	6.50	6.52	6.55	0.06	30.67	46.73	31.20	0.30	185.0	1.41	1.28	1.28	1.28	1.28
190.0	6.50	6.49	6.52	6.56	0.06	30.44	46.30	30.88	0.27	190.0	1.42	1.29	1.29	1.29	1.29
195.0	6.51	6.50	6.53	6.56	0.06	30.14	46.33	30.52	0.18	195.0	1.43	1.30	1.30	1.30	1.30
200.0	6.50	6.50	6.54	6.57	0.07	29.86	46.11	30.22	0.41	200.0	1.44	1.31	1.31	1.31	1.31

¹Total Loss = Insertion Loss + 6dB Splitter Loss

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