

4 Way-0° Power Splitter/Combiner

PSC-4-1W-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
0.3	6.69	6.67	6.68	6.69	0.01	24.91	47.62	25.19	0.13	0.3	1.40	2.17	1.54	1.52	1.52
0.5	6.60	6.60	6.60	6.60	0.01	27.77	53.23	27.92	0.08	0.5	1.26	1.73	1.35	1.35	1.35
0.7	6.56	6.56	6.56	6.56	0.01	28.98	56.46	29.19	0.03	0.7	1.21	1.47	1.29	1.29	1.29
1	6.51	6.50	6.51	6.51	0.01	30.06	57.26	30.51	0.04	1	1.17	1.30	1.24	1.24	1.24
3	6.35	6.35	6.35	6.34	0.01	34.22	57.50	35.00	0.03	3	1.09	1.18	1.13	1.13	1.12
5	6.31	6.32	6.31	6.31	0.01	35.77	56.59	36.57	0.04	5	1.06	1.12	1.10	1.10	1.10
7	6.29	6.30	6.29	6.29	0.01	36.63	56.32	37.46	0.05	7	1.05	1.10	1.09	1.08	1.08
10	6.29	6.30	6.29	6.29	0.01	36.88	57.56	37.71	0.04	10	1.05	1.10	1.07	1.07	1.07
30	6.32	6.32	6.32	6.32	0.00	37.13	53.80	37.47	0.04	30	1.06	1.10	1.08	1.08	1.08
50	6.35	6.36	6.37	6.36	0.01	36.41	53.98	36.54	0.07	50	1.10	1.09	1.10	1.10	1.10
70	6.39	6.40	6.40	6.40	0.01	35.66	53.53	35.65	0.12	70	1.15	1.07	1.12	1.12	1.12
90	6.41	6.43	6.43	6.43	0.02	34.72	54.82	34.56	0.16	90	1.20	1.04	1.15	1.15	1.15
100	6.43	6.44	6.45	6.45	0.02	34.30	55.59	34.02	0.17	100	1.23	1.02	1.16	1.16	1.17
110	6.45	6.46	6.47	6.48	0.02	33.71	56.66	33.49	0.20	110	1.25	1.03	1.18	1.17	1.18
120	6.47	6.48	6.49	6.50	0.03	33.23	58.46	32.91	0.22	120	1.28	1.04	1.19	1.19	1.20
130	6.48	6.50	6.51	6.52	0.03	32.67	60.83	32.43	0.24	130	1.31	1.05	1.20	1.20	1.22
150	6.52	6.54	6.55	6.56	0.04	31.56	64.50	31.22	0.28	150	1.36	1.04	1.23	1.23	1.25
170	6.57	6.58	6.59	6.61	0.04	30.36	59.28	30.00	0.35	170	1.42	1.03	1.27	1.27	1.28
190	6.60	6.62	6.63	6.66	0.05	29.22	52.68	28.84	0.41	190	1.48	1.02	1.30	1.30	1.31
210	6.66	6.68	6.69	6.72	0.06	28.12	48.73	27.70	0.47	210	1.54	1.03	1.33	1.33	1.35
230	6.71	6.73	6.75	6.78	0.07	27.03	45.44	26.63	0.56	230	1.59	1.05	1.37	1.37	1.39
240	6.74	6.75	6.78	6.81	0.08	26.46	44.30	26.06	0.62	240	1.62	1.07	1.38	1.39	1.40
250	6.76	6.79	6.80	6.85	0.09	25.93	42.98	25.53	0.70	250	1.65	1.08	1.40	1.40	1.42
260	6.79	6.81	6.83	6.87	0.08	25.41	41.64	25.03	0.69	260	1.68	1.09	1.42	1.42	1.44
270	6.82	6.84	6.86	6.90	0.09	24.89	40.81	24.49	0.78	270	1.70	1.08	1.43	1.43	1.46
300	6.90	6.92	6.95	7.00	0.10	23.43	38.17	23.06	0.96	300	1.78	1.06	1.48	1.48	1.51
310	6.93	6.95	6.98	7.04	0.11	22.98	37.40	22.61	1.00	310	1.80	1.03	1.49	1.50	1.53
320	6.96	6.98	7.01	7.07	0.11	22.54	36.66	22.17	1.07	320	1.83	1.00	1.51	1.51	1.54
330	6.99	7.02	7.04	7.11	0.12	22.11	36.05	21.74	1.13	330	1.85	1.03	1.53	1.53	1.56
340	7.02	7.05	7.08	7.15	0.13	21.68	35.24	21.33	1.20	340	1.87	1.05	1.55	1.54	1.58
350	7.05	7.08	7.11	7.18	0.14	21.25	34.72	20.91	1.26	350	1.89	1.07	1.56	1.56	1.60
360	7.08	7.10	7.14	7.22	0.14	20.86	34.12	20.51	1.34	360	1.91	1.08	1.58	1.57	1.61
370	7.11	7.14	7.16	7.25	0.14	20.48	33.58	20.14	1.42	370	1.93	1.08	1.60	1.59	1.63
380	7.14	7.17	7.20	7.28	0.15	20.09	32.95	19.76	1.48	380	1.96	1.07	1.61	1.60	1.64
390	7.16	7.19	7.22	7.31	0.15	19.73	32.38	19.41	1.57	390	1.98	1.05	1.62	1.61	1.65
400	7.19	7.23	7.25	7.34	0.15	19.37	31.80	19.03	1.62	400	1.99	1.02	1.64	1.62	1.66
420	7.25	7.29	7.31	7.40	0.15	18.69	30.76	18.36	1.79	420	2.02	1.01	1.66	1.65	1.69
440	7.30	7.34	7.36	7.46	0.16	18.04	29.68	17.71	1.99	440	2.04	1.02	1.68	1.68	1.71
460	7.36	7.40	7.41	7.52	0.16	17.42	28.72	17.10	2.16	460	2.06	1.03	1.70	1.70	1.74
480	7.41	7.46	7.47	7.57	0.16	16.84	27.75	16.51	2.35	480	2.08	1.03	1.72	1.71	1.75
500	7.45	7.50	7.50	7.61	0.15	16.28	26.79	15.96	2.54	500	2.08	1.02	1.73	1.71	1.75

¹Total Loss = Insertion Loss + 6dB Splitter Loss



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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