

8 Way-0° Power Splitter/Combiner

JEPS-ED13138/1

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-6	S-8		1-2	1-8	3-4	6-8			S	1	8
0.04	9.35	9.35	9.34	9.35	9.40	9.40	0.06	25.08	39.41	21.97	35.22	1.11	0.04	1.47	1.64	1.74
0.05	9.29	9.29	9.29	9.29	9.32	9.32	0.04	26.50	41.10	23.39	37.02	0.92	0.05	1.37	1.50	1.57
0.06	9.26	9.26	9.26	9.26	9.28	9.28	0.03	27.68	42.75	24.61	38.51	0.75	0.06	1.30	1.40	1.46
0.07	9.24	9.24	9.24	9.24	9.26	9.26	0.02	28.67	44.08	25.67	39.75	0.68	0.07	1.25	1.34	1.39
0.08	9.23	9.23	9.23	9.23	9.24	9.24	0.02	29.54	45.17	26.60	40.81	0.58	0.08	1.22	1.29	1.33
0.09	9.22	9.22	9.22	9.22	9.23	9.23	0.01	30.24	46.37	27.46	41.77	0.54	0.09	1.19	1.26	1.29
0.10	9.22	9.22	9.22	9.22	9.23	9.23	0.01	30.87	47.00	28.19	42.58	0.50	0.10	1.17	1.23	1.26
0.20	9.22	9.22	9.22	9.22	9.22	9.22	0.01	33.93	52.25	32.46	46.37	0.24	0.20	1.09	1.11	1.12
0.30	9.22	9.22	9.22	9.22	9.22	9.22	0.01	34.86	54.99	34.19	48.31	0.16	0.30	1.06	1.08	1.08
0.40	9.22	9.22	9.22	9.22	9.22	9.22	0.01	35.22	56.35	35.00	48.89	0.14	0.40	1.05	1.06	1.07
0.50	9.21	9.21	9.21	9.22	9.21	9.21	0.01	35.32	57.33	35.34	49.87	0.10	0.50	1.04	1.05	1.06
0.60	9.21	9.21	9.21	9.21	9.21	9.21	0.00	35.32	57.54	35.52	50.44	0.08	0.60	1.04	1.05	1.05
0.70	9.21	9.20	9.20	9.21	9.20	9.21	0.00	35.33	57.96	35.64	51.12	0.07	0.70	1.04	1.04	1.05
0.80	9.20	9.20	9.20	9.20	9.20	9.20	0.01	35.30	58.58	35.67	51.29	0.08	0.80	1.04	1.04	1.04
0.90	9.19	9.20	9.20	9.20	9.20	9.20	0.01	35.30	59.08	35.64	52.01	0.07	0.90	1.03	1.04	1.04
1.00	9.20	9.19	9.19	9.20	9.19	9.19	0.01	35.23	58.93	35.58	52.47	0.06	1.00	1.03	1.04	1.04
3.00	9.19	9.19	9.19	9.19	9.19	9.19	0.01	35.03	58.10	35.37	54.23	0.05	3.00	1.03	1.03	1.03
5.00	9.20	9.20	9.20	9.20	9.20	9.20	0.00	35.12	56.42	35.34	54.45	0.09	5.00	1.03	1.03	1.03
7.00	9.22	9.21	9.22	9.22	9.21	9.22	0.01	35.12	54.79	35.41	54.20	0.10	7.00	1.04	1.03	1.04
9.00	9.23	9.23	9.23	9.23	9.23	9.23	0.01	35.28	53.51	35.50	53.47	0.12	9.00	1.04	1.04	1.04
10.00	9.24	9.23	9.24	9.24	9.23	9.24	0.00	35.31	53.11	35.55	53.22	0.13	10.00	1.05	1.04	1.04
20.00	9.30	9.29	9.29	9.30	9.29	9.30	0.01	35.63	49.30	35.91	50.37	0.28	20.00	1.07	1.04	1.05
30.00	9.35	9.34	9.34	9.34	9.34	9.35	0.01	35.81	46.96	36.16	48.50	0.43	30.00	1.10	1.05	1.05
40.00	9.39	9.38	9.38	9.39	9.38	9.40	0.01	35.90	45.26	36.32	46.94	0.56	40.00	1.12	1.05	1.06
50.00	9.44	9.42	9.42	9.43	9.42	9.44	0.02	35.90	43.96	36.41	45.91	0.68	50.00	1.15	1.06	1.07
60.00	9.48	9.46	9.46	9.46	9.46	9.48	0.03	35.86	42.88	36.45	45.14	0.80	60.00	1.17	1.07	1.08
70.00	9.53	9.50	9.49	9.50	9.49	9.52	0.04	35.78	42.02	36.46	44.53	0.91	70.00	1.19	1.07	1.09
80.00	9.57	9.54	9.53	9.53	9.52	9.56	0.05	35.67	41.23	36.45	44.08	0.99	80.00	1.21	1.08	1.10
90.00	9.62	9.57	9.56	9.56	9.56	9.60	0.06	35.56	40.59	36.42	43.80	1.06	90.00	1.23	1.08	1.11
100.00	9.66	9.61	9.59	9.59	9.59	9.65	0.07	35.44	40.04	36.35	43.65	1.12	100.00	1.24	1.09	1.11
110.00	9.70	9.64	9.62	9.62	9.62	9.69	0.09	35.31	39.55	36.30	43.63	1.19	110.00	1.26	1.10	1.12
120.00	9.75	9.68	9.65	9.65	9.65	9.73	0.10	35.17	39.11	36.23	43.73	1.25	120.00	1.27	1.10	1.13
130.00	9.79	9.71	9.68	9.68	9.68	9.77	0.12	35.00	38.72	36.16	43.95	1.31	130.00	1.29	1.11	1.14
140.00	9.84	9.75	9.71	9.71	9.71	9.81	0.13	34.81	38.37	36.08	44.20	1.38	140.00	1.30	1.11	1.15
150.00	9.88	9.78	9.74	9.74	9.74	9.85	0.14	34.62	38.09	36.00	44.51	1.44	150.00	1.31	1.12	1.16
160.00	9.92	9.82	9.77	9.77	9.77	9.89	0.16	34.43	37.81	35.91	44.83	1.51	160.00	1.31	1.13	1.16
170.00	9.97	9.85	9.80	9.80	9.80	9.94	0.17	34.23	37.57	35.83	45.20	1.57	170.00	1.32	1.13	1.17
180.00	10.01	9.89	9.83	9.83	9.83	9.98	0.18	34.01	37.36	35.74	45.48	1.62	180.00	1.32	1.14	1.18
190.00	10.05	9.93	9.86	9.86	9.87	10.03	0.19	33.76	37.16	35.66	45.57	1.67	190.00	1.33	1.15	1.19
200.00	10.10	9.96	9.90	9.89	9.90	10.08	0.20	33.51	36.98	35.59	45.29	1.71	200.00	1.33	1.16	1.20
210.00	10.14	10.00	9.93	9.93	9.94	10.14	0.21	33.24	36.79	35.53	44.59	1.75	210.00	1.33	1.17	1.21
220.00	10.19	10.05	9.97	9.97	9.98	10.19	0.22	33.02	36.60	35.50	43.54	1.78	220.00	1.34	1.18	1.22
230.00	10.23	10.09	10.02	10.01	10.03	10.26	0.24	32.84	36.38	35.50	42.34	1.88	230.00	1.35	1.19	1.24
240.00	10.28	10.14	10.07	10.06	10.09	10.32	0.26	32.74	36.13	35.55	41.16	1.99	240.00	1.36	1.20	1.25
250.00	10.33	10.19	10.12	10.12	10.15	10.39	0.28	32.69	35.82	35.63	40.05	2.10	250.00	1.37	1.21	1.26
260.00	10.38	10.25	10.18	10.18	10.21	10.47	0.30	32.72	35.44	35.76	39.03	2.20	260.00	1.39	1.23	1.27
270.00	10.44	10.31	10.25	10.24	10.29	10.56	0.31	32.80	34.96	35.90	38.03	2.32	270.00	1.42	1.24	1.29
280.00	10.50	10.38	10.32	10.32	10.37	10.65	0.33	32.96	34.39	36.00	37.06	2.51	280.00	1.45	1.26	1.30
290.00	10.57	10.46	10.40	10.40	10.46	10.75	0.35	33.17	33.71	35.91	36.17	2.68	290.00	1.49	1.27	1.31
300.00	10.64	10.54	10.49	10.49	10.56	10.87	0.37	33.38	32.96	35.51	35.32	2.84	300.00	1.53	1.28	1.33
310.00	10.72	10.64	10.60	10.60	10.68	10.99	0.40	33.50	32.12	34.67	34.57	2.98	310.00	1.59	1.30	1.34
320.00	10.81	10.74	10.71	10.71	10.80	11.13	0.42	33.35	31.22	33.39	33.89	3.10	320.00	1.65	1.31	1.34
330.00	10.91	10.86	10.84	10.84	10.95	11.28	0.44	32.77	30.28	31.82	33.26	3.21	330.00	1.72	1.32	1.35
340.00	11.02	10.99	10.98	10.99	11.11	11.45	0.47	31.70	29.33	30.11	32.68	3.27	340.00	1.81	1.33	1.36
350.00	11.15	11.13	11.15	11.15	11.29	11.64	0.50	30.24	28.38	28.37	32.11	3.32	350.00	1.90	1.33	1.36
360.00	11.30	11.30	11.33	11.34	11.50	11.85	0.54	28.61	27.43	26.71	31.53	3.32	360.00	2.01	1.33	1.35
370.00	11.48	11.49	11.53	11.54	11.73	12.08	0.60	26.95	26.49	25.14	30.93	3.31	370.00	2.13	1.32	1.35
380.00	11.68	11.71	11.77	11.78	11.99	12.35	0.67	25.36	25.59	23.69	30.29	3.25	380.00	2.28	1.31	1.33

¹Total Loss = Insertion Loss + 9dB 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
 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

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