

4 Way-0° Power Splitter/Combiner

JS4PS-ED13166/1

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	2-3	3-4			S	1	2	3	4
0.30	6.26	6.25	6.26	6.26	0.01	32.99	44.40	34.28	0.03	0.30	1.15	1.19	1.19	1.18	1.18
0.50	6.25	6.24	6.24	6.24	0.01	35.28	47.64	36.39	0.01	0.50	1.10	1.13	1.13	1.13	1.13
0.75	6.22	6.22	6.23	6.23	0.01	36.81	49.08	37.81	0.02	0.75	1.07	1.10	1.10	1.10	1.10
1.00	6.21	6.21	6.21	6.21	0.01	38.07	50.06	38.96	0.02	1.00	1.06	1.08	1.08	1.08	1.08
1.25	6.20	6.20	6.20	6.20	0.01	38.68	50.00	39.62	0.00	1.25	1.05	1.07	1.07	1.07	1.07
1.50	6.20	6.19	6.20	6.20	0.01	39.50	50.66	40.28	0.02	1.50	1.05	1.07	1.07	1.06	1.06
2.00	6.18	6.17	6.18	6.18	0.01	40.32	50.97	41.14	0.06	2.00	1.04	1.06	1.06	1.05	1.05
2.50	6.18	6.18	6.18	6.18	0.00	41.07	51.10	41.46	0.03	2.50	1.03	1.05	1.05	1.05	1.05
3.00	6.17	6.17	6.18	6.18	0.00	41.47	50.96	41.81	0.04	3.00	1.03	1.04	1.04	1.04	1.04
5.00	6.17	6.17	6.17	6.18	0.00	42.03	49.51	42.14	0.04	5.00	1.03	1.04	1.04	1.03	1.03
7.50	6.18	6.18	6.18	6.18	0.00	41.85	47.43	41.67	0.05	7.50	1.03	1.03	1.03	1.03	1.03
10.00	6.19	6.19	6.19	6.19	0.00	41.47	45.95	41.30	0.06	10.00	1.03	1.03	1.03	1.03	1.03
14.00	6.20	6.20	6.21	6.21	0.00	40.85	43.91	40.65	0.08	14.00	1.03	1.03	1.03	1.03	1.03
18.00	6.22	6.21	6.22	6.22	0.00	40.26	42.35	40.07	0.10	18.00	1.03	1.03	1.03	1.03	1.03
22.00	6.22	6.22	6.23	6.23	0.00	39.69	40.99	39.51	0.13	22.00	1.04	1.02	1.03	1.02	1.02
26.00	6.24	6.24	6.24	6.24	0.00	39.25	39.82	39.06	0.16	26.00	1.04	1.02	1.02	1.02	1.02
28.00	6.24	6.24	6.24	6.24	0.00	39.08	39.27	38.88	0.16	28.00	1.04	1.02	1.02	1.02	1.02
30.00	6.25	6.25	6.25	6.25	0.00	38.91	38.82	38.72	0.17	30.00	1.04	1.02	1.02	1.02	1.02
32.00	6.25	6.25	6.25	6.25	0.00	38.69	38.37	38.49	0.18	32.00	1.05	1.02	1.02	1.02	1.02
34.00	6.26	6.25	6.26	6.26	0.00	38.54	37.94	38.35	0.19	34.00	1.05	1.02	1.02	1.02	1.02
36.00	6.26	6.26	6.26	6.26	0.00	38.39	37.52	38.18	0.20	36.00	1.05	1.02	1.02	1.02	1.02
40.00	6.27	6.27	6.27	6.27	0.00	38.07	36.73	37.86	0.22	40.00	1.05	1.02	1.02	1.02	1.02
50.00	6.29	6.29	6.29	6.29	0.00	37.40	35.15	37.15	0.29	50.00	1.06	1.02	1.02	1.02	1.02
60.00	6.31	6.31	6.31	6.31	0.00	36.87	33.83	36.60	0.36	60.00	1.07	1.02	1.02	1.02	1.02
70.00	6.32	6.33	6.32	6.32	0.01	36.50	32.72	36.16	0.42	70.00	1.07	1.02	1.03	1.03	1.02
80.00	6.34	6.34	6.34	6.34	0.01	36.23	31.80	35.82	0.49	80.00	1.08	1.03	1.03	1.03	1.03
100.00	6.37	6.38	6.37	6.36	0.01	36.07	30.31	35.47	0.62	100.00	1.09	1.04	1.04	1.04	1.04
130.00	6.42	6.43	6.41	6.40	0.02	36.52	28.69	35.53	0.83	130.00	1.09	1.06	1.07	1.07	1.06
160.00	6.47	6.48	6.45	6.43	0.04	37.45	27.51	35.99	1.09	160.00	1.09	1.09	1.10	1.10	1.09
190.00	6.52	6.53	6.49	6.47	0.06	36.85	26.74	35.72	1.34	190.00	1.10	1.12	1.13	1.13	1.12
220.00	6.58	6.60	6.53	6.51	0.09	33.18	26.42	33.27	1.64	220.00	1.13	1.17	1.18	1.18	1.17
250.00	6.65	6.68	6.59	6.56	0.11	28.83	26.44	29.52	1.99	250.00	1.19	1.22	1.23	1.23	1.21
280.00	6.75	6.79	6.67	6.64	0.15	25.00	26.90	25.83	2.41	280.00	1.28	1.28	1.29	1.29	1.27
310.00	6.90	6.95	6.80	6.76	0.20	21.77	27.95	22.60	2.86	310.00	1.41	1.34	1.36	1.36	1.34

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
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. X2
JS4PS-ED13166/1
8/27/2010
Page 1 of 1