

4 Way-0° Power Splitter/Combiner

SCPS-ED16433/1

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
50.0	8.30	8.31	8.33	8.32	0.03	28.33	25.45	31.36	0.17	50.0	1.53	2.24	2.25	2.18	2.19
70.0	8.19	8.21	8.23	8.22	0.03	30.62	27.41	32.03	0.22	70.0	1.48	1.99	2.00	1.96	1.96
90.0	8.13	8.14	8.17	8.17	0.04	30.99	28.67	31.08	0.25	90.0	1.45	1.86	1.86	1.84	1.84
100.0	8.10	8.12	8.15	8.15	0.04	30.76	29.16	30.47	0.26	100.0	1.44	1.81	1.82	1.79	1.80
200.0	8.01	8.03	8.07	8.08	0.07	26.16	31.31	25.16	0.36	200.0	1.39	1.58	1.59	1.58	1.59
300.0	8.01	8.03	8.09	8.10	0.09	22.95	31.27	22.04	0.43	300.0	1.38	1.49	1.50	1.49	1.51
400.0	8.03	8.07	8.13	8.15	0.12	20.86	30.71	20.05	0.49	400.0	1.37	1.44	1.44	1.44	1.46
500.0	8.06	8.11	8.19	8.20	0.15	19.45	29.97	18.69	0.55	500.0	1.37	1.40	1.41	1.40	1.43
600.0	8.09	8.16	8.25	8.27	0.18	18.44	29.36	17.73	0.60	600.0	1.38	1.37	1.37	1.37	1.40
650.0	8.11	8.18	8.28	8.30	0.19	18.07	29.12	17.37	0.65	650.0	1.38	1.35	1.36	1.36	1.38
700.0	8.12	8.21	8.31	8.32	0.21	17.75	28.93	17.07	0.68	700.0	1.38	1.34	1.34	1.35	1.37
750.0	8.13	8.23	8.34	8.35	0.22	17.51	28.80	16.83	0.72	750.0	1.38	1.33	1.33	1.33	1.36
800.0	8.14	8.25	8.37	8.38	0.24	17.32	28.70	16.64	0.78	800.0	1.39	1.31	1.31	1.32	1.35
850.0	8.15	8.27	8.40	8.39	0.25	17.19	28.69	16.51	0.83	850.0	1.39	1.30	1.30	1.31	1.33
900.0	8.15	8.29	8.43	8.41	0.28	17.10	28.72	16.42	0.92	900.0	1.39	1.29	1.29	1.30	1.32
950.0	8.15	8.30	8.45	8.42	0.29	17.08	28.88	16.39	0.97	950.0	1.39	1.28	1.28	1.29	1.31
1000.0	8.14	8.31	8.46	8.43	0.32	17.11	29.04	16.40	1.07	1000.0	1.40	1.27	1.27	1.28	1.30
1100.0	8.12	8.32	8.48	8.43	0.36	17.33	29.64	16.57	1.25	1100.0	1.39	1.24	1.24	1.26	1.27
1200.0	8.09	8.31	8.48	8.40	0.39	17.81	30.67	16.95	1.47	1200.0	1.37	1.21	1.22	1.24	1.24
1300.0	8.04	8.28	8.46	8.36	0.42	18.59	32.21	17.59	1.73	1300.0	1.34	1.18	1.20	1.22	1.22
1400.0	7.98	8.25	8.42	8.30	0.44	19.75	34.53	18.53	2.03	1400.0	1.29	1.15	1.18	1.20	1.19
1500.0	7.94	8.22	8.38	8.26	0.44	21.42	38.12	19.84	2.35	1500.0	1.22	1.11	1.15	1.17	1.16
1600.0	7.90	8.19	8.32	8.21	0.43	23.86	45.33	21.70	2.72	1600.0	1.15	1.08	1.12	1.14	1.13
1700.0	7.87	8.16	8.28	8.17	0.41	27.70	53.34	24.45	3.14	1700.0	1.08	1.05	1.09	1.11	1.10
1800.0	7.89	8.18	8.27	8.16	0.37	33.65	40.78	28.91	3.58	1800.0	1.09	1.07	1.06	1.08	1.10
1900.0	7.97	8.26	8.30	8.20	0.33	33.24	36.25	38.52	4.04	1900.0	1.19	1.12	1.07	1.06	1.11
2000.0	8.10	8.38	8.37	8.30	0.28	27.68	33.66	38.70	4.56	2000.0	1.30	1.18	1.11	1.08	1.15
2100.0	8.28	8.54	8.48	8.43	0.27	24.30	32.27	29.94	5.05	2100.0	1.42	1.24	1.16	1.12	1.20
2200.0	8.47	8.71	8.59	8.58	0.24	22.26	31.43	26.32	5.58	2200.0	1.53	1.30	1.20	1.15	1.25
2300.0	8.64	8.84	8.67	8.73	0.20	21.14	30.93	24.44	6.09	2300.0	1.60	1.34	1.23	1.17	1.29
2400.0	8.80	8.94	8.72	8.86	0.22	20.59	30.47	23.45	6.75	2400.0	1.59	1.37	1.26	1.18	1.32
2500.0	8.94	8.99	8.75	8.98	0.25	20.52	29.46	22.91	7.51	2500.0	1.51	1.38	1.25	1.17	1.33
2600.0	9.10	9.05	8.79	9.15	0.36	20.46	27.82	22.00	8.45	2600.0	1.36	1.38	1.23	1.17	1.33
2700.0	9.39	9.23	8.96	9.47	0.51	19.32	25.87	19.84	9.67	2700.0	1.19	1.37	1.22	1.19	1.34
2800.0	10.04	9.75	9.49	10.13	0.64	16.77	24.13	16.83	11.42	2800.0	1.33	1.41	1.28	1.29	1.39

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 www.minicircuits.com



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IF/RF MICROWAVE COMPONENTS

REV. X1

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