

4 x SP2T Solid-State Switch

USB-4SP2T-852H

Typical Performance Data

Test Conditions: @ Temperature = -10°C, Pin = 8 dBm.

Freq. (MHz)	Insertion Loss (dB)		Isolation, Active states (dB)		
	COM-1	COM-2	COM-1	COM-2	1-2
10	-1.27	-1.27	-119.00	-115.09	-100.91
250	-1.42	-1.42	-99.25	-102.60	-98.37
500	-1.48	-1.48	-97.46	-104.14	-94.87
750	-1.54	-1.54	-103.40	-98.68	-98.73
1000	-1.59	-1.59	-95.40	-95.10	-92.64
1250	-1.64	-1.64	-93.24	-93.27	-89.70
1500	-1.68	-1.68	-92.13	-92.39	-87.28
1750	-1.73	-1.73	-88.39	-87.85	-86.14
2000	-1.78	-1.78	-86.91	-85.13	-82.02
2250	-1.82	-1.82	-82.58	-82.38	-78.44
2500	-1.86	-1.86	-80.47	-80.53	-76.72
2750	-1.90	-1.90	-77.23	-75.61	-74.10
3000	-1.93	-1.93	-73.94	-72.95	-70.36
3250	-1.99	-1.99	-70.93	-70.16	-67.13
3500	-2.06	-2.06	-68.95	-68.48	-64.28
3750	-2.15	-2.15	-68.52	-68.87	-63.64
4000	-2.27	-2.27	-69.22	-69.45	-64.02
4250	-2.39	-2.39	-69.80	-69.76	-64.74
4500	-2.50	-2.50	-70.44	-69.88	-64.94
4750	-2.60	-2.60	-69.71	-68.55	-64.98
5000	-2.68	-2.68	-68.86	-67.59	-64.18
5250	-2.73	-2.73	-67.45	-66.11	-63.41
5500	-2.78	-2.78	-65.49	-64.91	-62.07
5750	-2.85	-2.85	-63.13	-63.87	-60.30
6000	-2.93	-2.93	-61.62	-61.19	-58.80
6250	-3.01	-3.01	-59.69	-58.92	-56.66
6500	-3.10	-3.10	-56.86	-55.99	-53.85
6750	-3.20	-3.20	-53.99	-53.03	-51.55
7000	-3.28	-3.28	-52.64	-51.68	-51.15
7250	-3.35	-3.35	-52.70	-52.11	-52.12
7500	-3.40	-3.40	-53.44	-53.15	-53.40
7750	-3.43	-3.43	-54.15	-54.12	-54.47
8000	-3.46	-3.46	-54.66	-54.87	-55.03
8250	-3.45	-3.45	-54.85	-55.58	-55.09
8500	-3.47	-3.47	-54.74	-55.79	-55.06
8750	-3.52	-3.52	-54.67	-56.09	-54.48
9000	-3.62	-3.62	-54.06	-54.94	-53.68
9250	-3.77	-3.77	-53.00	-53.54	-52.79
9500	-4.00	-4.00	-51.56	-51.39	-51.08
9750	-4.33	-4.33	-48.98	-48.21	-49.18
10000	-4.68	-4.68	-45.67	-45.12	-46.30

4 x SP2T Solid-State Switch

USB-4SP2T-852H

Typical Performance Data

Test Conditions: @ Temperature = -10°C, Pin = 8 dBm.

Freq. (MHz)	Return Loss, Active ports (dB)			RL, Terminated ports (dB)	
	COM	1	2	1	2
10	-18.59	-18.56	-18.73	-23.90	-24.31
250	-19.21	-19.18	-19.42	-24.14	-24.65
500	-19.91	-19.50	-19.76	-24.18	-24.62
750	-20.99	-19.51	-20.39	-23.29	-24.52
1000	-22.51	-20.43	-21.45	-22.94	-24.21
1250	-23.68	-21.81	-23.34	-22.37	-24.11
1500	-24.97	-23.92	-25.85	-22.01	-23.77
1750	-25.65	-25.18	-29.16	-21.91	-24.14
2000	-27.92	-24.77	-30.61	-22.06	-24.34
2250	-29.47	-22.35	-27.02	-22.36	-24.03
2500	-29.35	-20.92	-24.96	-23.04	-24.33
2750	-25.73	-19.79	-23.01	-24.06	-24.64
3000	-22.09	-19.88	-21.86	-25.89	-24.76
3250	-19.78	-20.30	-21.24	-27.01	-24.53
3500	-18.08	-20.99	-20.23	-27.53	-23.81
3750	-17.51	-21.81	-20.21	-27.45	-23.60
4000	-17.69	-21.34	-19.63	-25.84	-22.57
4250	-18.59	-20.10	-19.27	-24.01	-21.84
4500	-20.73	-19.34	-19.66	-22.93	-21.50
4750	-22.96	-18.43	-19.86	-21.48	-20.74
5000	-27.40	-18.98	-21.27	-20.46	-20.07
5250	-36.19	-20.19	-23.48	-19.80	-19.97
5500	-31.78	-22.14	-26.29	-19.55	-20.11
5750	-26.55	-23.37	-26.50	-19.51	-20.46
6000	-25.53	-21.64	-23.32	-20.22	-21.14
6250	-27.76	-19.42	-20.87	-21.39	-22.71
6500	-30.20	-17.74	-19.60	-23.14	-25.35
6750	-24.58	-16.55	-18.96	-25.11	-30.33
7000	-19.24	-15.41	-17.99	-26.01	-38.69
7250	-16.05	-14.23	-16.30	-23.53	-28.21
7500	-14.07	-12.97	-14.65	-19.93	-22.35
7750	-13.45	-12.22	-13.49	-17.15	-18.85
8000	-13.86	-12.08	-13.01	-15.00	-16.34
8250	-14.94	-12.62	-13.11	-13.22	-14.38
8500	-16.93	-14.42	-14.33	-11.85	-12.71
8750	-20.05	-18.63	-18.33	-10.59	-11.38
9000	-19.56	-21.54	-26.08	-9.89	-10.55
9250	-16.26	-16.48	-20.79	-9.44	-9.71
9500	-12.74	-12.22	-13.89	-8.94	-8.90
9750	-10.40	-9.77	-10.46	-8.61	-8.38
10000	-8.85	-8.75	-8.80	-8.54	-8.05

4 x SP2T Solid-State Switch

USB-4SP2T-852H

Typical Performance Data

Test Conditions: @ Temperature = +25°C, Pin = 8 dBm.

Freq. (MHz)	Insertion Loss (dB)		Isolation, Active states (dB)		
	COM-1	COM-2	COM-1	COM-2	1-2
10	-1.35	-1.35	-112.26	-106.93	-104.70
250	-1.50	-1.50	-108.33	-103.19	-102.58
500	-1.57	-1.57	-101.79	-95.57	-98.75
750	-1.62	-1.62	-98.02	-98.51	-96.44
1000	-1.68	-1.68	-98.69	-99.81	-92.72
1250	-1.72	-1.72	-93.34	-93.96	-92.33
1500	-1.77	-1.77	-90.75	-93.66	-86.63
1750	-1.81	-1.81	-89.13	-90.24	-84.31
2000	-1.84	-1.84	-86.25	-87.27	-82.80
2250	-1.87	-1.87	-82.84	-84.08	-79.25
2500	-1.91	-1.91	-80.37	-80.35	-77.05
2750	-1.94	-1.94	-77.63	-76.25	-74.98
3000	-1.98	-1.98	-74.92	-74.31	-70.76
3250	-2.04	-2.04	-72.23	-71.71	-67.91
3500	-2.10	-2.10	-69.82	-69.94	-65.26
3750	-2.17	-2.17	-69.16	-69.70	-64.34
4000	-2.24	-2.24	-69.81	-69.76	-64.59
4250	-2.32	-2.32	-70.56	-70.14	-65.15
4500	-2.39	-2.39	-70.86	-69.92	-64.99
4750	-2.46	-2.46	-70.27	-69.60	-64.87
5000	-2.54	-2.54	-69.54	-68.61	-64.38
5250	-2.60	-2.60	-67.56	-67.38	-63.36
5500	-2.65	-2.65	-65.94	-65.97	-62.07
5750	-2.69	-2.69	-63.68	-63.88	-60.44
6000	-2.75	-2.75	-61.78	-61.14	-58.76
6250	-2.80	-2.80	-59.77	-58.90	-56.53
6500	-2.86	-2.86	-56.95	-56.09	-53.91
6750	-2.94	-2.94	-54.37	-53.74	-51.94
7000	-3.01	-3.01	-53.29	-52.89	-51.50
7250	-3.08	-3.08	-53.42	-53.43	-52.30
7500	-3.15	-3.15	-54.03	-54.31	-53.44
7750	-3.23	-3.23	-54.49	-54.88	-54.40
8000	-3.31	-3.31	-54.73	-55.29	-54.89
8250	-3.36	-3.36	-54.81	-55.69	-55.17
8500	-3.40	-3.40	-54.63	-55.64	-54.98
8750	-3.40	-3.40	-54.42	-55.81	-54.58
9000	-3.44	-3.44	-54.04	-55.40	-53.56
9250	-3.59	-3.59	-53.33	-54.24	-52.74
9500	-3.90	-3.90	-52.04	-52.40	-51.17
9750	-4.37	-4.37	-49.61	-49.18	-49.29
10000	-4.82	-4.82	-46.22	-45.95	-46.72

4 x SP2T Solid-State Switch

USB-4SP2T-852H

Typical Performance Data

Test Conditions: @ Temperature = +25°C, Pin = 8 dBm.

Freq. (MHz)	Return Loss, Active ports (dB)			RL, Terminated ports (dB)	
	COM	1	2	1	2
10	-18.01	-17.97	-18.10	-23.30	-23.65
250	-18.64	-18.64	-18.81	-23.82	-24.28
500	-19.08	-19.21	-19.31	-23.94	-24.32
750	-19.77	-19.96	-20.10	-23.93	-24.42
1000	-21.14	-21.24	-21.49	-23.75	-24.48
1250	-23.06	-23.23	-23.23	-23.66	-24.31
1500	-25.79	-26.39	-26.26	-23.70	-24.19
1750	-29.65	-29.65	-30.65	-23.39	-24.41
2000	-31.11	-29.51	-32.16	-22.98	-24.10
2250	-28.06	-26.13	-28.20	-22.68	-23.23
2500	-24.44	-22.83	-24.54	-22.25	-22.97
2750	-21.89	-20.52	-22.41	-21.87	-22.76
3000	-20.53	-18.86	-20.62	-21.62	-22.25
3250	-19.71	-17.79	-19.29	-21.46	-21.83
3500	-19.12	-17.07	-18.45	-21.38	-21.75
3750	-19.10	-16.76	-18.26	-21.36	-21.92
4000	-19.42	-16.92	-18.21	-21.63	-21.81
4250	-19.87	-17.53	-18.57	-21.91	-21.87
4500	-21.03	-18.82	-19.78	-22.51	-22.43
4750	-21.94	-20.71	-21.11	-23.33	-22.47
5000	-23.66	-23.66	-23.17	-23.70	-22.20
5250	-26.48	-28.13	-26.36	-24.37	-22.41
5500	-31.38	-37.20	-31.38	-25.24	-22.91
5750	-42.70	-33.46	-32.11	-25.82	-23.12
6000	-32.94	-27.40	-27.70	-26.93	-23.43
6250	-27.15	-24.06	-24.29	-28.54	-24.34
6500	-23.81	-22.14	-22.27	-30.55	-25.95
6750	-21.48	-20.68	-21.12	-34.53	-28.42
7000	-19.86	-19.20	-19.72	-37.78	-33.24
7250	-18.27	-17.81	-18.07	-30.47	-36.18
7500	-16.50	-16.26	-16.23	-25.08	-27.85
7750	-15.25	-14.94	-14.58	-21.32	-22.56
8000	-14.39	-13.99	-13.47	-18.33	-18.94
8250	-14.05	-13.60	-12.92	-15.81	-16.09
8500	-14.66	-14.28	-13.38	-13.80	-13.82
8750	-17.35	-17.21	-16.02	-11.92	-11.90
9000	-21.00	-24.12	-21.42	-10.63	-10.62
9250	-17.74	-21.36	-20.97	-9.68	-9.51
9500	-12.31	-13.70	-13.56	-8.73	-8.50
9750	-9.33	-9.89	-9.84	-8.01	-7.84
10000	-7.84	-8.02	-8.00	-7.55	-7.36

4 x SP2T Solid-State Switch

USB-4SP2T-852H

Typical Performance Data

Test Conditions: @ Temperature = +60°C, Pin = 8 dBm.

Freq. (MHz)	Insertion Loss (dB)		Isolation, Active states (dB)		
	COM-1	COM-2	COM-1	COM-2	1-2
10	-1.44	-1.44	-101.91	-112.22	-101.61
250	-1.61	-1.61	-101.36	-101.04	-99.17
500	-1.68	-1.68	-108.89	-101.88	-97.24
750	-1.74	-1.74	-109.61	-100.76	-101.04
1000	-1.80	-1.80	-95.56	-95.47	-96.21
1250	-1.85	-1.85	-93.47	-102.91	-89.75
1500	-1.90	-1.90	-92.84	-92.60	-88.55
1750	-1.95	-1.95	-90.61	-90.46	-83.69
2000	-1.98	-1.98	-85.60	-87.39	-82.64
2250	-2.01	-2.01	-85.12	-83.82	-78.68
2500	-2.05	-2.05	-81.58	-79.11	-77.35
2750	-2.08	-2.08	-79.16	-77.51	-75.26
3000	-2.12	-2.12	-75.53	-75.18	-71.60
3250	-2.18	-2.18	-73.23	-72.83	-68.81
3500	-2.24	-2.24	-71.33	-71.24	-66.35
3750	-2.31	-2.31	-70.75	-70.92	-65.31
4000	-2.39	-2.39	-70.86	-70.91	-65.39
4250	-2.47	-2.47	-71.22	-71.19	-65.62
4500	-2.55	-2.55	-71.70	-71.02	-65.73
4750	-2.63	-2.63	-70.96	-70.08	-65.42
5000	-2.70	-2.70	-70.02	-69.52	-64.79
5250	-2.77	-2.77	-68.58	-68.39	-63.88
5500	-2.82	-2.82	-66.48	-66.57	-62.48
5750	-2.87	-2.87	-64.29	-64.27	-60.95
6000	-2.93	-2.93	-62.62	-61.91	-59.37
6250	-2.99	-2.99	-60.22	-59.59	-57.00
6500	-3.05	-3.05	-57.58	-56.93	-54.56
6750	-3.14	-3.14	-55.36	-54.70	-52.86
7000	-3.21	-3.21	-54.28	-53.90	-52.37
7250	-3.28	-3.28	-54.36	-54.28	-53.09
7500	-3.36	-3.36	-54.82	-54.99	-54.09
7750	-3.44	-3.44	-55.24	-55.53	-54.92
8000	-3.55	-3.55	-55.41	-55.90	-55.40
8250	-3.61	-3.61	-55.28	-56.12	-55.60
8500	-3.66	-3.66	-55.12	-56.05	-55.32
8750	-3.69	-3.69	-54.90	-56.19	-54.88
9000	-3.75	-3.75	-54.56	-55.99	-53.80
9250	-3.91	-3.91	-53.92	-54.94	-52.99
9500	-4.24	-4.24	-52.60	-52.90	-51.73
9750	-4.73	-4.73	-50.21	-49.88	-49.71
10000	-5.17	-5.17	-46.88	-46.68	-47.41

4 x SP2T Solid-State Switch

USB-4SP2T-852H

Typical Performance Data

Test Conditions: @ Temperature = +60°C, Pin = 8 dBm.

Freq. (MHz)	Return Loss, Active ports (dB)			RL, Terminated ports (dB)	
	COM	1	2	1	2
10	-17.36	-17.34	-17.42	-22.55	-22.87
250	-18.01	-18.03	-18.22	-23.25	-23.79
500	-18.47	-18.62	-18.62	-23.34	-23.62
750	-19.23	-19.30	-19.33	-23.21	-23.50
1000	-20.62	-20.75	-20.95	-23.27	-23.89
1250	-22.41	-22.85	-22.82	-23.18	-23.76
1500	-25.39	-25.79	-25.82	-23.15	-23.67
1750	-29.15	-29.12	-30.23	-22.76	-23.86
2000	-31.04	-29.43	-31.81	-22.40	-23.41
2250	-27.53	-25.66	-27.91	-22.11	-22.86
2500	-23.84	-22.30	-24.17	-21.68	-22.36
2750	-21.57	-20.22	-21.84	-21.56	-22.14
3000	-20.23	-18.51	-20.06	-21.41	-21.98
3250	-19.15	-17.49	-18.86	-21.21	-21.60
3500	-18.64	-16.65	-17.94	-21.00	-21.38
3750	-18.69	-16.30	-17.62	-21.09	-21.57
4000	-18.73	-16.55	-17.63	-21.37	-21.47
4250	-19.12	-17.10	-18.05	-21.50	-21.54
4500	-20.30	-18.32	-19.20	-21.92	-21.95
4750	-21.35	-20.33	-20.67	-22.86	-22.22
5000	-23.14	-23.18	-22.83	-23.32	-22.15
5250	-26.11	-27.27	-25.88	-23.87	-22.35
5500	-31.66	-34.10	-30.25	-24.58	-22.88
5750	-40.69	-33.00	-31.49	-25.11	-23.18
6000	-31.97	-26.84	-27.37	-26.42	-23.54
6250	-26.76	-23.44	-24.07	-28.39	-24.50
6500	-23.53	-21.46	-21.91	-30.84	-26.00
6750	-21.47	-19.88	-20.48	-36.08	-28.69
7000	-19.80	-18.58	-19.26	-42.84	-33.69
7250	-18.15	-17.55	-17.92	-30.64	-39.76
7500	-16.48	-16.33	-16.26	-25.26	-29.00
7750	-15.29	-15.20	-14.72	-21.48	-23.20
8000	-14.56	-14.31	-13.59	-18.60	-19.29
8250	-14.28	-13.91	-13.03	-16.12	-16.30
8500	-14.93	-14.58	-13.48	-14.09	-13.93
8750	-17.54	-17.46	-16.19	-12.13	-11.95
9000	-20.68	-24.19	-21.56	-10.74	-10.64
9250	-17.20	-20.66	-20.12	-9.77	-9.56
9500	-12.01	-13.40	-13.22	-8.81	-8.57
9750	-9.17	-9.74	-9.71	-8.08	-7.94
10000	-7.79	-7.96	-8.01	-7.62	-7.47