

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Insertion Loss (dB)							
	COM-J1	COM-J2	COM-J3	COM-J4	COM-J5	COM-J6	COM-J7	COM-J8
10	-2.42	-2.42	-2.40	-2.40	-2.41	-2.42	-2.38	-2.37
250	-2.74	-2.73	-2.71	-2.72	-2.74	-2.74	-2.70	-2.69
500	-2.91	-2.91	-2.89	-2.89	-2.93	-2.93	-2.89	-2.87
750	-3.07	-3.06	-3.04	-3.04	-3.09	-3.09	-3.04	-3.03
1000	-3.17	-3.17	-3.14	-3.14	-3.18	-3.18	-3.13	-3.12
1250	-3.24	-3.23	-3.20	-3.20	-3.24	-3.24	-3.19	-3.17
1500	-3.35	-3.34	-3.29	-3.30	-3.35	-3.35	-3.29	-3.27
1750	-3.46	-3.46	-3.41	-3.41	-3.47	-3.47	-3.41	-3.40
2000	-3.53	-3.52	-3.47	-3.48	-3.53	-3.53	-3.48	-3.47
2250	-3.60	-3.59	-3.55	-3.56	-3.61	-3.60	-3.55	-3.54
2500	-3.74	-3.74	-3.69	-3.69	-3.75	-3.76	-3.70	-3.69
2750	-3.86	-3.85	-3.80	-3.81	-3.88	-3.89	-3.84	-3.82
3000	-3.92	-3.92	-3.86	-3.87	-3.94	-3.93	-3.88	-3.87
3250	-4.01	-4.00	-3.94	-3.95	-4.03	-4.03	-3.95	-3.94
3500	-4.15	-4.15	-4.09	-4.11	-4.17	-4.21	-4.13	-4.12
3750	-4.25	-4.26	-4.21	-4.23	-4.29	-4.33	-4.28	-4.27
4000	-4.35	-4.34	-4.29	-4.30	-4.37	-4.39	-4.34	-4.33
4250	-4.55	-4.54	-4.46	-4.47	-4.57	-4.57	-4.48	-4.47
4500	-4.70	-4.69	-4.62	-4.63	-4.73	-4.76	-4.66	-4.65
4750	-4.65	-4.63	-4.59	-4.59	-4.68	-4.70	-4.66	-4.64
5000	-4.59	-4.56	-4.50	-4.49	-4.59	-4.56	-4.51	-4.49
5250	-4.80	-4.77	-4.67	-4.66	-4.78	-4.72	-4.60	-4.59
5500	-5.10	-5.07	-4.98	-4.99	-5.07	-5.08	-4.94	-4.94
5750	-5.17	-5.15	-5.11	-5.12	-5.15	-5.17	-5.11	-5.09
6000	-5.19	-5.17	-5.12	-5.12	-5.15	-5.13	-5.08	-5.07
6250	-5.34	-5.32	-5.27	-5.27	-5.25	-5.23	-5.16	-5.16
6500	-5.44	-5.43	-5.42	-5.43	-5.36	-5.35	-5.33	-5.33
6750	-5.50	-5.49	-5.47	-5.48	-5.45	-5.40	-5.40	-5.40
7000	-5.67	-5.65	-5.60	-5.61	-5.63	-5.54	-5.51	-5.53
7250	-5.85	-5.83	-5.79	-5.80	-5.79	-5.72	-5.68	-5.70
7500	-5.94	-5.92	-5.87	-5.89	-5.88	-5.80	-5.75	-5.78
7750	-6.01	-5.99	-5.94	-5.96	-5.99	-5.89	-5.84	-5.88
8000	-6.12	-6.10	-6.07	-6.10	-6.12	-6.05	-5.99	-6.04
8250	-6.21	-6.20	-6.13	-6.17	-6.26	-6.19	-6.11	-6.12
8500	-6.47	-6.47	-6.32	-6.36	-6.55	-6.42	-6.28	-6.30
8750	-6.59	-6.58	-6.47	-6.51	-6.57	-6.43	-6.35	-6.37
9000	-6.69	-6.69	-6.53	-6.58	-6.60	-6.47	-6.33	-6.36
9250	-7.19	-7.20	-6.88	-6.94	-7.13	-6.95	-6.65	-6.68
9500	-7.75	-7.76	-7.59	-7.66	-7.72	-7.51	-7.32	-7.34
9750	-7.74	-7.73	-7.87	-7.94	-7.65	-7.51	-7.59	-7.63
10000	-7.53	-7.51	-7.57	-7.65	-7.39	-7.26	-7.27	-7.35

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Return Loss, Active ports (dB)								
	COM	J1	J2	J3	J4	J5	J6	J7	J8
10	-13.59	-13.62	-13.59	-13.67	-13.66	-13.63	-13.60	-13.73	-13.75
250	-15.16	-14.64	-14.60	-14.71	-14.76	-14.89	-14.72	-14.95	-14.95
500	-20.75	-16.95	-16.76	-16.80	-16.95	-17.46	-17.46	-17.45	-17.54
750	-34.72	-19.87	-19.69	-19.69	-19.82	-20.66	-20.33	-20.42	-20.57
1000	-19.84	-20.39	-20.19	-20.08	-20.49	-19.87	-20.15	-20.26	-20.35
1250	-19.01	-20.07	-20.14	-19.84	-20.25	-19.87	-19.97	-20.05	-20.11
1500	-22.10	-25.12	-24.97	-24.37	-25.36	-26.20	-26.40	-25.72	-26.22
1750	-24.98	-41.11	-40.60	-43.20	-41.07	-34.37	-34.00	-35.53	-35.97
2000	-23.96	-22.97	-23.10	-24.06	-23.89	-22.13	-22.55	-23.80	-23.56
2250	-23.92	-21.20	-20.84	-21.01	-21.88	-20.99	-22.20	-22.81	-22.95
2500	-27.31	-23.11	-23.19	-22.40	-23.49	-24.17	-24.86	-25.03	-25.12
2750	-27.93	-34.03	-34.24	-31.34	-32.39	-42.37	-32.53	-29.18	-29.73
3000	-28.83	-25.59	-25.67	-26.84	-29.03	-24.51	-29.91	-32.06	-31.85
3250	-38.78	-18.81	-19.19	-19.56	-19.87	-19.00	-19.24	-21.04	-21.20
3500	-33.87	-17.44	-17.43	-17.22	-17.14	-17.08	-16.13	-16.56	-16.60
3750	-31.42	-20.25	-19.59	-18.98	-18.46	-18.53	-16.67	-16.31	-16.28
4000	-23.56	-27.95	-28.30	-26.53	-25.69	-24.68	-21.80	-20.28	-20.06
4250	-18.07	-29.91	-28.41	-28.51	-29.26	-31.31	-28.05	-34.27	-32.91
4500	-17.81	-23.82	-23.35	-22.55	-21.96	-23.16	-19.27	-20.81	-20.49
4750	-23.22	-24.67	-25.20	-25.65	-24.23	-23.21	-19.69	-19.01	-19.00
5000	-25.51	-20.94	-21.18	-22.64	-23.94	-21.42	-25.43	-22.13	-22.82
5250	-16.61	-16.96	-17.00	-16.71	-17.17	-17.61	-20.41	-21.67	-21.37
5500	-15.61	-17.23	-17.32	-15.74	-15.89	-17.78	-17.06	-17.79	-17.25
5750	-20.57	-22.28	-22.53	-18.98	-19.16	-23.72	-20.47	-19.78	-19.64
6000	-22.14	-18.20	-18.35	-17.69	-18.12	-20.56	-22.55	-22.05	-21.81
6250	-16.85	-15.07	-15.14	-13.90	-14.30	-16.69	-17.37	-16.86	-16.43
6500	-17.95	-17.04	-17.16	-14.52	-14.95	-18.07	-18.29	-16.08	-15.96
6750	-18.16	-16.81	-16.84	-16.93	-17.56	-16.65	-18.81	-18.08	-17.85
7000	-14.04	-12.83	-12.83	-13.72	-14.12	-13.25	-14.81	-15.23	-14.92
7250	-13.40	-12.52	-12.48	-12.31	-12.58	-12.97	-14.07	-13.78	-13.60
7500	-15.42	-13.36	-13.36	-13.22	-13.50	-12.99	-14.23	-14.19	-14.09
7750	-15.94	-12.08	-12.06	-12.30	-12.49	-11.57	-12.52	-12.68	-12.58
8000	-16.22	-12.43	-12.31	-11.52	-11.64	-12.49	-13.23	-12.08	-12.21
8250	-14.05	-14.87	-14.66	-13.48	-13.60	-14.81	-16.75	-15.18	-15.67
8500	-10.91	-13.31	-12.93	-14.15	-14.12	-12.10	-14.14	-16.12	-16.55
8750	-11.69	-11.61	-11.23	-11.93	-11.84	-11.01	-12.35	-13.11	-13.53
9000	-21.72	-11.73	-11.30	-12.11	-12.00	-12.16	-13.87	-14.57	-15.14
9250	-13.84	-9.46	-9.07	-10.80	-10.70	-9.58	-11.01	-13.86	-14.30
9500	-9.24	-7.73	-7.39	-8.01	-7.95	-7.65	-8.35	-9.54	-9.88
9750	-10.53	-8.37	-8.03	-7.54	-7.51	-8.61	-8.89	-8.71	-9.04
10000	-17.70	-9.94	-9.57	-8.99	-8.93	-10.67	-11.23	-10.70	-11.07

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Return Loss, Internally terminated ports (dB)							
	J1	J2	J3	J4	J5	J6	J7	J8
10	-29.48	-29.97	-29.37	-29.65	-29.69	-30.29	-29.22	-28.96
250	-29.69	-30.07	-29.37	-29.39	-29.43	-30.45	-28.76	-28.66
500	-28.64	-29.55	-28.99	-28.70	-29.06	-28.91	-28.35	-27.99
750	-28.36	-28.83	-28.04	-27.71	-27.67	-27.96	-27.20	-26.81
1000	-27.38	-27.72	-26.79	-25.76	-27.32	-25.99	-25.16	-25.00
1250	-26.93	-26.77	-25.91	-25.30	-26.06	-25.48	-24.57	-24.30
1500	-26.35	-26.61	-25.45	-24.82	-25.48	-24.66	-24.04	-23.50
1750	-26.61	-26.29	-25.32	-24.09	-24.93	-24.06	-22.90	-22.87
2000	-25.84	-26.31	-25.47	-24.07	-24.83	-23.20	-22.99	-22.47
2250	-26.00	-26.47	-25.79	-24.08	-24.74	-23.07	-22.79	-22.28
2500	-26.86	-26.78	-26.50	-24.65	-25.06	-23.01	-22.84	-22.33
2750	-27.30	-26.99	-26.94	-24.74	-25.28	-22.96	-22.63	-22.07
3000	-27.77	-26.96	-27.49	-25.07	-26.16	-22.78	-22.76	-21.66
3250	-28.80	-27.47	-27.84	-25.55	-25.83	-23.36	-22.98	-21.91
3500	-30.49	-27.41	-28.33	-26.24	-26.71	-23.35	-23.19	-21.84
3750	-30.96	-27.61	-28.93	-26.35	-26.34	-23.10	-23.08	-21.78
4000	-29.71	-27.38	-28.47	-26.53	-26.27	-22.92	-23.24	-21.78
4250	-28.38	-27.03	-27.48	-25.99	-25.78	-22.07	-22.93	-21.38
4500	-26.89	-26.23	-26.17	-25.22	-25.49	-21.74	-22.40	-21.16
4750	-25.76	-25.48	-24.90	-24.36	-24.59	-21.60	-21.74	-21.01
5000	-23.73	-24.05	-23.25	-22.87	-23.56	-20.64	-20.88	-20.30
5250	-22.23	-22.90	-21.79	-21.49	-22.42	-19.64	-19.70	-19.68
5500	-20.95	-21.85	-20.53	-20.56	-21.58	-19.00	-18.82	-19.35
5750	-20.10	-20.99	-19.41	-19.57	-20.81	-18.43	-18.01	-19.17
6000	-19.46	-20.43	-18.70	-18.95	-20.31	-18.06	-17.42	-18.87
6250	-19.25	-20.36	-18.26	-18.75	-20.11	-18.03	-17.18	-18.83
6500	-19.30	-20.68	-18.27	-18.77	-20.37	-18.48	-17.04	-19.50
6750	-19.98	-21.41	-18.66	-19.16	-21.25	-19.32	-17.52	-20.68
7000	-20.93	-22.13	-19.41	-19.87	-22.33	-20.97	-18.52	-22.47
7250	-22.32	-22.74	-20.43	-20.80	-24.07	-22.93	-20.12	-25.29
7500	-22.66	-21.91	-21.17	-21.51	-24.61	-25.60	-22.42	-26.48
7750	-21.49	-19.82	-20.90	-21.04	-22.49	-26.03	-25.86	-23.68
8000	-19.38	-17.39	-19.43	-19.38	-19.18	-22.74	-26.79	-19.96
8250	-16.62	-15.10	-17.17	-17.06	-16.35	-19.06	-22.90	-17.03
8500	-14.40	-13.08	-14.90	-14.84	-14.08	-16.23	-18.92	-14.91
8750	-12.29	-11.28	-12.73	-12.72	-11.98	-13.68	-15.62	-12.88
9000	-10.71	-9.89	-11.06	-11.08	-10.44	-11.84	-13.47	-11.43
9250	-9.34	-8.69	-9.61	-9.66	-9.17	-10.37	-11.69	-10.22
9500	-8.20	-7.68	-8.40	-8.44	-8.04	-9.06	-10.19	-9.16
9750	-7.28	-6.89	-7.44	-7.51	-7.15	-8.05	-9.02	-8.30
10000	-6.56	-6.31	-6.68	-6.77	-6.47	-7.27	-8.15	-7.68

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Isolation, Active states (dB)							
	COM-J2	COM-J3	COM-J5	COM-J7	J1-J2	J3-J4	J5-J6	J7-J8
10	-113.01	-102.76	-104.47	-113.25	-107.35	-102.35	-114.11	-102.69
250	-97.82	-101.93	-105.14	-105.56	-106.78	-99.05	-111.06	-99.45
500	-93.48	-111.55	-96.71	-102.87	-107.91	-100.55	-98.95	-101.83
750	-107.49	-101.55	-103.48	-100.04	-102.20	-107.16	-102.12	-100.46
1000	-105.80	-94.91	-100.78	-104.33	-96.57	-93.91	-98.84	-96.76
1250	-103.51	-98.16	-104.76	-102.65	-91.79	-100.41	-94.28	-97.94
1500	-102.93	-101.03	-111.58	-99.12	-91.34	-90.69	-92.12	-94.08
1750	-126.88	-109.51	-100.24	-97.88	-87.64	-86.86	-90.38	-90.13
2000	-106.06	-106.19	-97.87	-92.42	-86.98	-93.56	-88.47	-85.62
2250	-102.73	-92.78	-91.25	-92.01	-87.52	-86.09	-85.96	-85.69
2500	-93.84	-96.75	-95.66	-91.37	-84.86	-82.80	-85.35	-82.96
2750	-88.49	-91.81	-87.82	-90.32	-82.46	-82.08	-81.50	-82.14
3000	-92.92	-99.98	-86.54	-87.62	-80.76	-79.78	-80.55	-79.92
3250	-90.25	-98.99	-84.18	-84.70	-79.76	-78.46	-78.08	-79.08
3500	-83.05	-89.14	-80.54	-82.61	-75.98	-76.54	-76.12	-77.51
3750	-79.38	-98.77	-79.22	-80.80	-73.99	-74.10	-74.10	-74.20
4000	-78.12	-101.01	-76.94	-78.41	-71.96	-71.89	-71.52	-72.19
4250	-77.31	-86.74	-74.14	-75.88	-70.31	-70.25	-69.97	-70.41
4500	-74.57	-94.13	-72.33	-73.06	-68.50	-68.51	-68.05	-68.30
4750	-71.32	-88.82	-69.16	-70.38	-65.68	-65.64	-65.02	-65.63
5000	-68.67	-92.73	-66.37	-67.69	-62.46	-62.74	-62.10	-62.41
5250	-66.29	-102.53	-63.86	-65.32	-60.27	-60.16	-59.84	-59.71
5500	-64.57	-101.54	-62.12	-63.52	-59.07	-58.71	-58.53	-58.08
5750	-63.11	-92.91	-61.03	-62.45	-58.11	-57.73	-57.59	-57.16
6000	-62.89	-95.50	-60.61	-62.00	-57.22	-56.80	-56.71	-56.29
6250	-62.95	-100.31	-61.22	-62.36	-57.11	-56.77	-56.62	-56.19
6500	-63.48	-93.86	-61.88	-63.16	-57.76	-57.39	-57.30	-56.75
6750	-63.66	-95.81	-62.40	-63.73	-58.29	-58.07	-57.65	-57.19
7000	-63.47	-88.54	-62.65	-64.03	-58.03	-58.05	-57.43	-57.14
7250	-62.94	-85.58	-62.20	-63.56	-57.66	-57.58	-57.01	-56.90
7500	-62.19	-83.67	-61.51	-62.92	-57.61	-57.42	-57.02	-56.84
7750	-61.34	-81.43	-60.86	-62.27	-57.39	-57.37	-56.67	-56.53
8000	-60.47	-82.13	-60.31	-61.57	-56.43	-56.64	-55.68	-55.68
8250	-59.42	-79.89	-59.68	-60.78	-55.70	-55.68	-55.05	-54.79
8500	-58.56	-79.06	-58.85	-59.89	-55.39	-55.07	-55.04	-54.48
8750	-57.62	-81.79	-57.80	-58.95	-55.05	-54.67	-54.29	-54.17
9000	-56.57	-81.23	-56.96	-57.89	-53.78	-53.70	-52.85	-52.90
9250	-56.13	-81.64	-56.65	-57.27	-53.03	-52.46	-52.05	-51.31
9500	-55.98	-80.43	-56.20	-56.96	-53.16	-52.23	-52.30	-51.34
9750	-55.19	-77.20	-55.11	-56.71	-52.64	-52.19	-52.08	-51.09
10000	-54.59	-72.48	-54.52	-55.59	-50.69	-50.92	-49.74	-49.77

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Insertion Loss (dB)							
	COM-J1	COM-J2	COM-J3	COM-J4	COM-J5	COM-J6	COM-J7	COM-J8
10	-2.57	-2.57	-2.57	-2.57	-2.58	-2.59	-2.55	-2.55
250	-2.92	-2.91	-2.90	-2.91	-2.95	-2.94	-2.90	-2.89
500	-3.11	-3.11	-3.10	-3.11	-3.16	-3.15	-3.11	-3.10
750	-3.29	-3.29	-3.27	-3.28	-3.34	-3.33	-3.29	-3.28
1000	-3.39	-3.39	-3.37	-3.38	-3.43	-3.42	-3.38	-3.37
1250	-3.47	-3.47	-3.44	-3.45	-3.50	-3.49	-3.44	-3.43
1500	-3.58	-3.59	-3.54	-3.55	-3.62	-3.61	-3.55	-3.54
1750	-3.70	-3.71	-3.66	-3.67	-3.74	-3.74	-3.68	-3.67
2000	-3.77	-3.77	-3.74	-3.74	-3.81	-3.79	-3.75	-3.75
2250	-3.85	-3.85	-3.82	-3.83	-3.89	-3.88	-3.83	-3.82
2500	-4.00	-4.00	-3.96	-3.97	-4.05	-4.05	-3.99	-3.98
2750	-4.12	-4.13	-4.09	-4.09	-4.18	-4.18	-4.13	-4.12
3000	-4.19	-4.19	-4.14	-4.15	-4.24	-4.23	-4.17	-4.16
3250	-4.28	-4.28	-4.23	-4.24	-4.33	-4.32	-4.25	-4.24
3500	-4.42	-4.42	-4.38	-4.39	-4.48	-4.51	-4.43	-4.42
3750	-4.52	-4.53	-4.50	-4.52	-4.60	-4.64	-4.59	-4.58
4000	-4.63	-4.64	-4.59	-4.60	-4.70	-4.71	-4.66	-4.65
4250	-4.84	-4.84	-4.77	-4.78	-4.90	-4.90	-4.81	-4.80
4500	-4.99	-4.99	-4.94	-4.94	-5.07	-5.09	-5.00	-4.99
4750	-4.93	-4.92	-4.89	-4.90	-5.00	-5.02	-4.98	-4.96
5000	-4.88	-4.86	-4.81	-4.80	-4.92	-4.87	-4.83	-4.81
5250	-5.12	-5.10	-5.01	-5.00	-5.14	-5.07	-4.95	-4.94
5500	-5.42	-5.40	-5.34	-5.34	-5.44	-5.43	-5.30	-5.30
5750	-5.51	-5.50	-5.47	-5.47	-5.53	-5.54	-5.47	-5.46
6000	-5.54	-5.52	-5.49	-5.49	-5.54	-5.50	-5.45	-5.45
6250	-5.68	-5.67	-5.63	-5.63	-5.64	-5.61	-5.55	-5.55
6500	-5.80	-5.79	-5.79	-5.80	-5.76	-5.74	-5.71	-5.72
6750	-5.86	-5.86	-5.86	-5.87	-5.86	-5.80	-5.79	-5.80
7000	-6.02	-6.01	-5.99	-6.00	-6.03	-5.93	-5.90	-5.93
7250	-6.22	-6.21	-6.18	-6.20	-6.21	-6.12	-6.08	-6.10
7500	-6.34	-6.33	-6.29	-6.31	-6.31	-6.22	-6.17	-6.21
7750	-6.43	-6.41	-6.38	-6.40	-6.44	-6.34	-6.29	-6.33
8000	-6.56	-6.54	-6.53	-6.57	-6.60	-6.52	-6.47	-6.52
8250	-6.69	-6.68	-6.62	-6.66	-6.77	-6.69	-6.61	-6.64
8500	-6.97	-6.97	-6.85	-6.88	-7.08	-6.94	-6.81	-6.85
8750	-7.10	-7.10	-7.01	-7.05	-7.12	-6.96	-6.89	-6.94
9000	-7.23	-7.23	-7.08	-7.13	-7.18	-7.03	-6.88	-6.94
9250	-7.77	-7.79	-7.49	-7.54	-7.77	-7.56	-7.26	-7.32
9500	-8.33	-8.33	-8.21	-8.28	-8.34	-8.11	-7.97	-8.03
9750	-8.25	-8.23	-8.40	-8.48	-8.20	-8.03	-8.15	-8.23
10000	-8.07	-8.05	-8.10	-8.17	-7.97	-7.80	-7.82	-7.91

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Return Loss, Active ports (dB)								
	COM	J1	J2	J3	J4	J5	J6	J7	J8
10	-13.06	-13.08	-13.05	-13.10	-13.09	-13.04	-13.01	-13.12	-13.15
250	-14.69	-14.23	-14.17	-14.27	-14.29	-14.40	-14.25	-14.45	-14.46
500	-20.37	-16.59	-16.43	-16.50	-16.59	-17.09	-17.01	-17.08	-17.12
750	-33.00	-19.62	-19.44	-19.42	-19.65	-20.20	-20.07	-20.17	-20.30
1000	-19.78	-19.64	-19.56	-19.47	-19.73	-19.31	-19.42	-19.48	-19.56
1250	-18.53	-19.76	-19.58	-19.40	-19.80	-19.54	-19.61	-19.65	-19.74
1500	-22.06	-24.19	-24.28	-23.49	-24.61	-25.42	-25.82	-25.02	-25.30
1750	-25.26	-38.34	-37.29	-40.29	-39.29	-33.16	-33.23	-35.26	-35.31
2000	-22.95	-22.90	-22.83	-23.58	-23.69	-21.83	-22.54	-23.65	-23.36
2250	-23.45	-20.70	-20.44	-20.51	-21.20	-20.51	-21.56	-22.25	-22.37
2500	-26.74	-22.76	-22.78	-22.34	-23.21	-23.93	-24.52	-24.71	-24.80
2750	-28.68	-31.77	-32.27	-30.89	-32.27	-43.39	-34.94	-30.82	-31.02
3000	-29.64	-24.28	-24.31	-25.80	-27.21	-24.17	-27.69	-30.95	-31.05
3250	-34.22	-18.54	-18.72	-18.96	-19.38	-18.51	-19.11	-20.38	-20.56
3500	-34.67	-17.54	-17.55	-17.18	-17.19	-17.03	-16.14	-16.62	-16.56
3750	-29.84	-20.27	-19.94	-19.25	-18.72	-18.79	-16.72	-16.54	-16.40
4000	-22.52	-28.85	-29.01	-27.80	-26.50	-25.62	-22.36	-20.48	-20.51
4250	-18.07	-29.77	-29.12	-28.83	-29.57	-31.26	-28.45	-34.21	-33.50
4500	-18.05	-24.63	-24.42	-23.40	-22.82	-24.11	-20.02	-21.35	-21.09
4750	-24.50	-25.67	-25.60	-26.76	-25.36	-23.96	-20.26	-19.63	-19.78
5000	-23.75	-19.85	-20.34	-21.72	-22.71	-20.36	-25.21	-22.39	-22.84
5250	-16.22	-16.62	-16.61	-16.19	-16.72	-17.26	-19.74	-20.58	-20.23
5500	-15.85	-17.59	-17.60	-15.81	-16.10	-18.11	-17.71	-18.00	-17.62
5750	-20.88	-22.43	-22.51	-19.05	-19.49	-23.94	-21.67	-20.84	-20.58
6000	-21.88	-18.01	-18.13	-17.31	-17.90	-20.04	-22.63	-22.14	-21.76
6250	-17.21	-15.39	-15.52	-14.17	-14.57	-16.93	-17.92	-17.11	-16.88
6500	-18.33	-17.38	-17.49	-14.92	-15.28	-18.20	-18.78	-16.66	-16.51
6750	-18.37	-16.93	-16.92	-17.08	-17.57	-16.70	-19.10	-18.52	-18.25
7000	-14.34	-13.15	-13.07	-13.97	-14.33	-13.52	-15.07	-15.73	-15.49
7250	-13.58	-12.60	-12.46	-12.43	-12.70	-12.99	-14.04	-14.08	-13.93
7500	-15.45	-13.16	-13.06	-12.96	-13.25	-12.75	-13.89	-14.00	-13.98
7750	-16.37	-11.99	-11.92	-12.14	-12.37	-11.59	-12.39	-12.59	-12.60
8000	-16.40	-12.23	-12.12	-11.35	-11.56	-12.49	-13.01	-11.99	-12.17
8250	-13.78	-14.36	-14.14	-13.05	-13.24	-14.40	-15.88	-14.61	-14.97
8500	-10.72	-12.98	-12.62	-13.58	-13.66	-11.94	-13.64	-15.34	-15.60
8750	-11.77	-11.52	-11.08	-11.63	-11.66	-11.00	-12.21	-12.77	-13.05
9000	-21.80	-11.51	-11.04	-11.85	-11.86	-11.89	-13.55	-14.18	-14.57
9250	-12.99	-9.22	-8.85	-10.42	-10.39	-9.26	-10.58	-13.07	-13.22
9500	-9.18	-7.78	-7.48	-7.96	-7.93	-7.76	-8.43	-9.31	-9.48
9750	-11.05	-8.66	-8.39	-7.85	-7.80	-8.99	-9.37	-8.90	-9.16
10000	-17.06	-9.97	-9.68	-9.36	-9.24	-10.70	-11.51	-10.98	-11.32

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Return Loss, Internally terminated ports (dB)							
	J1	J2	J3	J4	J5	J6	J7	J8
10	-31.06	-31.58	-31.05	-31.39	-31.43	-32.13	-30.97	-30.60
250	-30.81	-31.22	-30.60	-30.73	-30.75	-31.82	-30.00	-29.80
500	-29.73	-30.61	-29.87	-29.72	-30.05	-30.10	-29.27	-28.97
750	-29.19	-29.66	-28.90	-28.21	-28.86	-28.49	-27.90	-27.43
1000	-28.42	-28.57	-27.62	-26.81	-27.80	-26.97	-26.16	-25.92
1250	-27.57	-28.03	-26.93	-26.12	-26.85	-26.13	-25.27	-24.94
1500	-27.50	-27.57	-26.62	-25.55	-26.25	-25.18	-24.65	-24.22
1750	-27.15	-27.18	-26.25	-24.95	-25.89	-24.56	-23.76	-23.61
2000	-27.12	-27.14	-26.50	-24.98	-25.84	-24.17	-23.56	-23.14
2250	-27.13	-27.40	-26.79	-25.22	-25.84	-23.99	-23.55	-22.90
2500	-28.08	-27.93	-27.33	-25.59	-26.27	-24.06	-23.56	-22.96
2750	-29.18	-28.30	-27.91	-25.96	-26.65	-23.95	-23.61	-22.75
3000	-29.78	-28.78	-28.79	-26.41	-26.78	-23.93	-23.62	-22.52
3250	-30.90	-29.42	-29.87	-27.17	-27.26	-23.98	-23.93	-22.59
3500	-32.42	-29.64	-30.69	-27.86	-27.87	-24.03	-24.43	-22.79
3750	-32.30	-29.45	-30.83	-27.81	-27.83	-23.77	-24.16	-22.61
4000	-30.85	-28.96	-30.01	-27.66	-27.53	-23.55	-23.75	-22.44
4250	-29.31	-28.28	-28.55	-27.15	-27.22	-23.13	-23.68	-22.30
4500	-27.31	-27.20	-26.78	-26.06	-26.52	-22.78	-23.28	-22.15
4750	-25.91	-25.96	-25.05	-24.83	-25.59	-22.16	-22.52	-21.92
5000	-24.40	-24.48	-23.30	-23.29	-24.49	-21.30	-21.51	-21.29
5250	-22.72	-23.27	-21.83	-21.96	-23.23	-20.42	-20.41	-20.68
5500	-21.59	-22.44	-20.83	-21.07	-22.24	-19.83	-19.62	-20.40
5750	-20.74	-21.66	-19.85	-20.17	-21.47	-19.23	-18.91	-20.18
6000	-20.06	-21.16	-19.18	-19.47	-21.00	-18.86	-18.21	-19.85
6250	-19.74	-21.05	-18.87	-19.24	-20.87	-18.80	-17.83	-19.82
6500	-19.90	-21.24	-18.83	-19.19	-21.09	-19.11	-17.82	-20.35
6750	-20.43	-21.72	-19.05	-19.42	-21.72	-19.76	-18.13	-21.45
7000	-21.26	-22.28	-19.53	-19.99	-22.75	-20.89	-18.87	-23.08
7250	-22.25	-22.49	-20.26	-20.68	-23.96	-22.69	-20.14	-25.40
7500	-22.29	-21.51	-20.71	-21.10	-23.97	-24.74	-21.93	-26.65
7750	-20.97	-19.43	-20.29	-20.53	-22.00	-24.85	-24.70	-24.19
8000	-18.82	-17.08	-18.78	-18.89	-19.02	-22.15	-25.68	-20.48
8250	-16.16	-14.74	-16.56	-16.54	-16.18	-18.58	-22.39	-17.25
8500	-13.99	-12.79	-14.39	-14.40	-13.88	-15.76	-18.57	-14.77
8750	-12.02	-11.00	-12.28	-12.34	-11.78	-13.32	-15.34	-12.61
9000	-10.43	-9.62	-10.64	-10.74	-10.21	-11.51	-13.06	-11.03
9250	-9.14	-8.51	-9.32	-9.43	-8.95	-10.09	-11.30	-9.79
9500	-8.08	-7.60	-8.24	-8.33	-7.94	-8.93	-9.91	-8.81
9750	-7.26	-6.93	-7.43	-7.51	-7.17	-8.06	-8.86	-8.08
10000	-6.62	-6.41	-6.78	-6.85	-6.55	-7.40	-8.07	-7.58

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Isolation, Active states (dB)							
	COM-2	COM-3	COM-5	COM-7	J1-J2	J3-J4	J5-J6	J7-J8
10	-103.42	-107.71	-102.97	-120.73	-98.33	-111.13	-105.11	-102.09
250	-115.64	-100.41	-108.79	-98.85	-113.19	-105.36	-96.81	-107.56
500	-102.22	-98.91	-97.68	-98.26	-102.69	-102.10	-101.15	-105.37
750	-104.68	-102.91	-103.77	-103.32	-99.94	-96.54	-105.89	-98.93
1000	-105.29	-107.51	-97.92	-103.05	-96.91	-97.36	-93.86	-95.36
1250	-97.77	-104.62	-99.96	-105.57	-94.28	-93.58	-93.14	-93.61
1500	-101.65	-104.00	-96.53	-99.31	-93.10	-90.75	-91.45	-93.23
1750	-97.42	-108.88	-105.75	-91.94	-89.96	-91.75	-88.56	-89.45
2000	-108.81	-100.60	-94.27	-92.11	-89.16	-90.32	-89.54	-88.66
2250	-104.15	-98.28	-89.72	-95.16	-86.80	-85.67	-86.53	-85.12
2500	-91.08	-95.64	-88.31	-92.36	-84.73	-84.53	-84.94	-82.31
2750	-92.11	-96.24	-90.56	-90.83	-83.13	-81.23	-83.28	-81.54
3000	-89.58	-97.53	-88.84	-92.08	-81.93	-80.54	-81.39	-80.70
3250	-94.45	-100.87	-84.77	-85.21	-79.90	-78.82	-78.59	-78.90
3500	-83.02	-94.95	-80.19	-84.32	-76.30	-77.55	-76.64	-77.51
3750	-80.96	-99.48	-79.64	-82.98	-74.93	-74.77	-73.85	-74.51
4000	-79.58	-97.34	-76.94	-78.28	-72.31	-72.45	-71.77	-72.89
4250	-76.69	-86.94	-74.71	-75.96	-70.55	-70.92	-70.32	-70.61
4500	-74.55	-92.33	-72.14	-74.20	-68.56	-68.92	-68.11	-68.98
4750	-71.65	-89.30	-69.53	-71.32	-65.76	-65.99	-65.41	-66.04
5000	-69.32	-92.85	-66.98	-68.53	-62.95	-63.26	-62.77	-62.86
5250	-67.21	-95.93	-64.73	-66.26	-60.86	-60.89	-60.53	-60.46
5500	-65.58	-96.34	-63.34	-64.61	-59.76	-59.68	-59.40	-59.01
5750	-64.19	-108.23	-62.05	-63.44	-58.90	-58.48	-58.54	-58.00
6000	-63.67	-94.80	-61.42	-63.12	-57.97	-57.67	-57.56	-57.27
6250	-63.98	-93.69	-62.19	-63.56	-57.79	-57.60	-57.36	-57.03
6500	-64.04	-93.58	-62.62	-63.93	-58.29	-57.96	-57.91	-57.37
6750	-64.07	-89.60	-62.94	-64.34	-58.72	-58.68	-58.10	-57.58
7000	-63.97	-89.00	-63.18	-64.61	-58.34	-58.47	-57.90	-57.64
7250	-63.43	-86.16	-62.79	-64.39	-58.03	-57.99	-57.48	-57.33
7500	-62.81	-82.90	-61.95	-63.52	-57.97	-57.62	-57.45	-57.20
7750	-62.02	-82.65	-61.44	-63.18	-57.71	-57.70	-57.03	-56.76
8000	-60.97	-81.36	-61.06	-62.47	-56.82	-57.00	-55.89	-56.03
8250	-59.96	-81.69	-60.29	-61.34	-55.95	-56.05	-55.34	-55.06
8500	-58.98	-79.65	-59.32	-60.48	-55.77	-55.44	-55.44	-54.81
8750	-58.09	-82.04	-58.34	-59.37	-55.26	-55.08	-54.63	-54.45
9000	-57.09	-81.68	-57.59	-58.26	-54.11	-54.03	-53.19	-53.12
9250	-56.79	-82.69	-57.31	-57.83	-53.48	-52.87	-52.48	-51.81
9500	-56.64	-81.44	-56.98	-57.64	-53.65	-52.74	-52.85	-51.80
9750	-55.77	-78.00	-56.18	-57.33	-52.96	-52.47	-52.29	-51.47
10000	-55.27	-74.20	-55.45	-56.28	-51.04	-51.11	-49.96	-50.08

SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Insertion Loss (dB)							
	COM-J1	COM-J2	COM-J3	COM-J4	COM-J5	COM-J6	COM-J7	COM-J8
10	-2.78	-2.78	-2.77	-2.78	-2.79	-2.80	-2.76	-2.75
250	-3.13	-3.13	-3.12	-3.13	-3.16	-3.16	-3.12	-3.11
500	-3.36	-3.36	-3.35	-3.36	-3.41	-3.41	-3.36	-3.35
750	-3.55	-3.55	-3.53	-3.54	-3.60	-3.60	-3.56	-3.54
1000	-3.65	-3.65	-3.63	-3.64	-3.69	-3.69	-3.64	-3.63
1250	-3.73	-3.73	-3.70	-3.71	-3.76	-3.76	-3.70	-3.69
1500	-3.85	-3.86	-3.81	-3.82	-3.88	-3.88	-3.82	-3.81
1750	-3.97	-3.98	-3.93	-3.94	-4.01	-4.01	-3.96	-3.95
2000	-4.03	-4.04	-4.01	-4.01	-4.07	-4.07	-4.02	-4.02
2250	-4.11	-4.12	-4.09	-4.10	-4.16	-4.15	-4.10	-4.09
2500	-4.27	-4.28	-4.24	-4.25	-4.32	-4.33	-4.27	-4.26
2750	-4.40	-4.41	-4.37	-4.38	-4.46	-4.47	-4.41	-4.40
3000	-4.46	-4.47	-4.42	-4.43	-4.51	-4.51	-4.45	-4.44
3250	-4.55	-4.56	-4.50	-4.51	-4.60	-4.60	-4.52	-4.51
3500	-4.68	-4.71	-4.66	-4.67	-4.75	-4.80	-4.71	-4.70
3750	-4.79	-4.82	-4.79	-4.80	-4.87	-4.93	-4.87	-4.86
4000	-4.91	-4.93	-4.88	-4.90	-4.98	-5.01	-4.95	-4.94
4250	-5.13	-5.14	-5.07	-5.08	-5.20	-5.21	-5.11	-5.10
4500	-5.28	-5.29	-5.23	-5.24	-5.35	-5.39	-5.30	-5.29
4750	-5.20	-5.21	-5.18	-5.18	-5.27	-5.30	-5.26	-5.24
5000	-5.16	-5.15	-5.09	-5.08	-5.20	-5.16	-5.10	-5.09
5250	-5.42	-5.41	-5.31	-5.30	-5.44	-5.38	-5.24	-5.24
5500	-5.73	-5.73	-5.65	-5.66	-5.76	-5.76	-5.62	-5.62
5750	-5.83	-5.84	-5.80	-5.81	-5.86	-5.87	-5.80	-5.79
6000	-5.87	-5.87	-5.83	-5.83	-5.87	-5.84	-5.79	-5.78
6250	-6.02	-6.02	-5.98	-5.98	-5.98	-5.95	-5.89	-5.89
6500	-6.14	-6.15	-6.15	-6.16	-6.10	-6.09	-6.06	-6.07
6750	-6.21	-6.22	-6.23	-6.25	-6.21	-6.16	-6.15	-6.17
7000	-6.38	-6.38	-6.35	-6.37	-6.38	-6.30	-6.26	-6.29
7250	-6.60	-6.59	-6.56	-6.58	-6.57	-6.49	-6.44	-6.48
7500	-6.73	-6.73	-6.68	-6.72	-6.70	-6.61	-6.55	-6.60
7750	-6.83	-6.82	-6.79	-6.82	-6.84	-6.74	-6.67	-6.73
8000	-6.98	-6.96	-6.95	-7.00	-7.01	-6.94	-6.87	-6.94
8250	-7.13	-7.12	-7.06	-7.12	-7.21	-7.13	-7.04	-7.10
8500	-7.43	-7.43	-7.31	-7.37	-7.52	-7.39	-7.25	-7.32
8750	-7.56	-7.56	-7.47	-7.54	-7.56	-7.41	-7.33	-7.41
9000	-7.72	-7.72	-7.55	-7.63	-7.66	-7.50	-7.33	-7.43
9250	-8.29	-8.30	-8.00	-8.08	-8.27	-8.06	-7.75	-7.85
9500	-8.83	-8.84	-8.73	-8.82	-8.82	-8.59	-8.46	-8.56
9750	-8.73	-8.72	-8.89	-8.98	-8.67	-8.49	-8.61	-8.73
10000	-8.58	-8.58	-8.61	-8.69	-8.47	-8.30	-8.31	-8.43

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SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Return Loss, Active ports (dB)								
	COM	J1	J2	J3	J4	J5	J6	J7	J8
10	-12.42	-12.44	-12.41	-12.45	-12.43	-12.39	-12.36	-12.47	-12.49
250	-14.08	-13.64	-13.63	-13.70	-13.74	-13.79	-13.68	-13.83	-13.85
500	-19.79	-16.07	-15.88	-15.96	-16.03	-16.49	-16.41	-16.48	-16.54
750	-32.71	-18.97	-18.73	-18.71	-18.88	-19.39	-19.27	-19.35	-19.49
1000	-19.21	-18.96	-18.90	-18.73	-19.09	-18.64	-18.80	-18.92	-18.94
1250	-18.05	-19.09	-19.00	-18.76	-19.18	-18.96	-18.99	-19.07	-19.14
1500	-21.44	-23.85	-23.96	-23.24	-24.10	-24.89	-25.35	-24.39	-24.82
1750	-24.38	-36.62	-36.18	-38.79	-38.13	-32.47	-32.68	-35.32	-35.40
2000	-22.22	-22.26	-22.13	-22.87	-23.03	-21.25	-21.96	-23.08	-22.79
2250	-22.54	-20.16	-19.94	-20.02	-20.79	-20.02	-21.10	-21.60	-21.85
2500	-26.26	-22.27	-22.33	-21.84	-22.74	-23.46	-24.04	-24.38	-24.47
2750	-29.09	-30.81	-31.44	-30.52	-31.96	-39.01	-37.27	-33.05	-32.63
3000	-28.64	-23.78	-23.86	-25.04	-26.45	-23.69	-26.81	-30.03	-30.30
3250	-31.79	-18.22	-18.44	-18.67	-18.96	-18.24	-18.83	-20.12	-20.26
3500	-31.72	-17.34	-17.39	-17.02	-17.05	-16.91	-16.08	-16.53	-16.34
3750	-27.47	-20.36	-20.04	-19.34	-18.84	-18.89	-16.81	-16.53	-16.49
4000	-21.61	-29.20	-29.13	-28.18	-26.75	-25.85	-22.51	-20.55	-20.82
4250	-17.78	-29.56	-29.27	-28.57	-29.59	-31.33	-28.49	-33.49	-34.02
4500	-18.48	-26.11	-25.37	-24.23	-23.45	-25.15	-20.50	-21.41	-21.60
4750	-25.44	-25.50	-26.04	-28.01	-26.59	-24.49	-21.06	-20.19	-20.28
5000	-22.30	-19.10	-19.62	-20.80	-21.75	-19.46	-24.25	-22.49	-22.70
5250	-15.79	-16.21	-16.13	-15.73	-16.23	-16.80	-19.20	-19.72	-19.50
5500	-15.72	-17.61	-17.49	-15.69	-16.02	-18.04	-17.96	-17.63	-17.45
5750	-20.70	-21.85	-21.80	-18.67	-19.14	-23.43	-22.30	-20.65	-20.62
6000	-21.32	-17.52	-17.53	-16.76	-17.27	-19.40	-22.02	-20.90	-20.97
6250	-16.97	-15.27	-15.30	-14.00	-14.37	-16.69	-17.78	-16.74	-16.66
6500	-18.00	-17.16	-17.19	-14.81	-15.14	-17.93	-18.68	-16.62	-16.53
6750	-17.93	-16.50	-16.46	-16.67	-17.15	-16.45	-18.72	-18.23	-18.10
7000	-14.07	-12.94	-12.89	-13.82	-14.17	-13.37	-14.89	-15.62	-15.45
7250	-13.30	-12.36	-12.27	-12.33	-12.59	-12.69	-13.75	-13.96	-13.86
7500	-15.05	-12.80	-12.74	-12.69	-12.95	-12.39	-13.44	-13.77	-13.73
7750	-16.39	-11.81	-11.77	-11.92	-12.14	-11.42	-12.13	-12.52	-12.48
8000	-16.42	-12.21	-12.09	-11.32	-11.52	-12.31	-12.75	-11.95	-12.14
8250	-13.39	-14.17	-13.93	-12.86	-13.07	-13.97	-15.21	-14.32	-14.65
8500	-10.61	-12.92	-12.58	-13.35	-13.42	-11.87	-13.38	-15.04	-15.27
8750	-12.05	-11.73	-11.34	-11.80	-11.81	-11.18	-12.32	-12.88	-13.16
9000	-22.25	-11.57	-11.17	-12.04	-12.00	-11.83	-13.47	-14.29	-14.62
9250	-12.80	-9.22	-8.93	-10.38	-10.31	-9.26	-10.54	-12.91	-12.91
9500	-9.34	-7.93	-7.71	-8.13	-8.05	-7.97	-8.68	-9.41	-9.50
9750	-11.53	-8.95	-8.80	-8.20	-8.10	-9.29	-9.84	-9.23	-9.42
10000	-16.69	-9.96	-9.90	-9.58	-9.38	-10.73	-11.78	-11.21	-11.49

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SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Return Loss, Internally terminated ports (dB)							
	J1	J2	J3	J4	J5	J6	J7	J8
10	-33.68	-34.33	-33.84	-34.26	-34.15	-35.13	-33.74	-33.24
250	-32.90	-33.02	-32.48	-32.46	-32.75	-33.84	-31.98	-31.60
500	-31.62	-32.91	-31.91	-31.72	-32.07	-32.09	-31.15	-30.64
750	-30.61	-31.39	-30.52	-29.63	-30.32	-29.58	-29.08	-28.54
1000	-29.53	-29.45	-28.69	-27.34	-28.71	-27.63	-26.48	-26.60
1250	-28.62	-29.00	-27.88	-27.01	-27.70	-26.94	-26.09	-25.63
1500	-28.21	-28.27	-27.18	-26.30	-27.08	-25.79	-25.45	-24.81
1750	-28.19	-28.26	-27.23	-25.70	-26.85	-25.31	-24.37	-24.30
2000	-28.17	-28.50	-27.72	-25.84	-26.82	-24.86	-24.48	-23.86
2250	-28.18	-28.50	-27.86	-25.94	-26.69	-24.62	-24.28	-23.47
2500	-29.56	-29.36	-28.84	-26.68	-27.31	-25.00	-24.45	-23.74
2750	-30.72	-29.61	-29.37	-27.15	-27.83	-24.81	-24.39	-23.34
3000	-31.13	-29.95	-30.24	-27.41	-27.80	-24.77	-24.13	-23.05
3250	-32.63	-30.70	-31.40	-28.42	-28.31	-24.80	-24.49	-23.04
3500	-34.22	-31.22	-32.40	-29.39	-29.29	-24.90	-25.18	-23.33
3750	-34.03	-30.93	-32.28	-29.13	-29.12	-24.57	-24.73	-23.44
4000	-31.71	-29.76	-30.56	-28.52	-28.51	-24.25	-24.24	-23.29
4250	-29.62	-28.72	-28.62	-27.56	-28.07	-23.75	-24.20	-23.20
4500	-27.67	-27.44	-26.78	-26.21	-27.18	-23.33	-23.40	-22.85
4750	-26.24	-26.08	-25.08	-25.03	-26.02	-22.69	-22.75	-22.45
5000	-24.30	-24.32	-23.11	-23.25	-24.88	-21.91	-21.69	-21.83
5250	-22.85	-23.23	-21.78	-21.96	-23.61	-21.00	-20.46	-21.17
5500	-21.83	-22.59	-20.87	-21.21	-22.55	-20.38	-19.79	-20.86
5750	-20.74	-21.67	-19.79	-20.10	-21.75	-19.70	-19.08	-20.67
6000	-20.02	-21.05	-19.15	-19.39	-21.21	-19.27	-18.54	-20.45
6250	-19.73	-20.93	-18.87	-19.21	-20.96	-19.14	-18.36	-20.41
6500	-19.72	-21.03	-18.74	-19.08	-21.08	-19.33	-18.24	-20.83
6750	-20.02	-21.32	-18.85	-19.24	-21.50	-19.83	-18.49	-21.72
7000	-20.72	-21.73	-19.32	-19.73	-22.24	-20.74	-19.18	-23.09
7250	-21.57	-21.84	-19.92	-20.27	-23.07	-22.18	-20.30	-25.01
7500	-21.48	-20.87	-20.17	-20.47	-22.95	-23.61	-22.01	-25.84
7750	-20.25	-18.94	-19.69	-19.87	-21.30	-23.61	-24.40	-23.81
8000	-18.43	-16.84	-18.43	-18.44	-18.66	-21.44	-24.93	-20.42
8250	-15.98	-14.64	-16.31	-16.23	-15.91	-18.18	-22.03	-17.28
8500	-13.79	-12.67	-14.15	-14.12	-13.65	-15.45	-18.53	-14.76
8750	-11.90	-10.99	-12.19	-12.18	-11.65	-13.16	-15.40	-12.63
9000	-10.42	-9.70	-10.65	-10.69	-10.14	-11.44	-13.08	-11.01
9250	-9.13	-8.57	-9.33	-9.39	-8.93	-10.07	-11.32	-9.74
9500	-8.05	-7.67	-8.29	-8.31	-7.94	-8.97	-9.92	-8.76
9750	-7.33	-7.11	-7.56	-7.58	-7.23	-8.20	-8.94	-8.10
10000	-6.74	-6.66	-6.94	-6.97	-6.67	-7.63	-8.19	-7.68

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SP8T Solid-State Switch

USB-1SP8T-852H

Typical Performance Data

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

Freq. (MHz)	Isolation, Active states (dB)							
	COM-2	COM-3	COM-5	COM-7	J1-J2	J3-J4	J5-J6	J7-J8
10	-109.91	-102.16	-102.64	-107.21	-108.52	-112.55	-105.80	-112.36
250	-100.70	-98.09	-103.84	-108.35	-100.19	-96.06	-101.27	-100.72
500	-101.13	-102.16	-110.50	-105.37	-102.56	-105.88	-97.23	-107.24
750	-104.11	-104.19	-109.41	-100.66	-101.52	-104.66	-100.71	-98.50
1000	-108.38	-101.69	-110.38	-107.36	-97.13	-97.54	-97.53	-101.79
1250	-99.09	-103.54	-105.48	-101.74	-96.59	-96.56	-94.60	-94.03
1500	-97.36	-98.79	-101.16	-102.76	-92.22	-93.69	-91.53	-93.63
1750	-100.57	-99.68	-102.61	-116.26	-88.25	-90.47	-87.17	-94.92
2000	-101.86	-120.59	-99.59	-111.09	-91.75	-88.89	-88.17	-89.06
2250	-105.15	-97.81	-102.25	-103.00	-86.70	-87.40	-85.18	-83.57
2500	-98.46	-95.42	-95.21	-93.38	-85.62	-85.18	-82.82	-83.44
2750	-91.70	-96.73	-90.62	-90.96	-82.58	-82.51	-82.76	-82.98
3000	-90.04	-97.51	-86.50	-91.20	-81.67	-79.84	-81.25	-81.81
3250	-104.02	-96.83	-85.82	-85.63	-80.32	-78.71	-79.10	-79.53
3500	-83.25	-97.05	-80.41	-84.25	-77.37	-76.99	-76.90	-77.35
3750	-81.99	-96.99	-80.93	-83.37	-74.94	-74.63	-74.34	-75.25
4000	-79.06	-92.25	-76.79	-78.80	-72.51	-72.58	-72.19	-72.81
4250	-78.28	-87.53	-74.97	-77.78	-71.04	-71.61	-70.48	-70.85
4500	-74.96	-90.47	-73.07	-75.24	-68.71	-69.25	-68.31	-69.62
4750	-72.48	-87.56	-70.40	-71.92	-66.31	-66.45	-65.80	-66.48
5000	-70.14	-94.24	-67.54	-69.18	-63.69	-63.63	-63.31	-63.53
5250	-67.83	-96.61	-65.75	-67.13	-61.67	-61.64	-61.38	-61.17
5500	-66.50	-95.11	-64.26	-65.94	-60.75	-60.50	-60.42	-59.92
5750	-65.14	-102.81	-63.21	-64.53	-59.83	-59.52	-59.45	-59.08
6000	-64.71	-105.68	-62.60	-64.18	-58.83	-58.55	-58.46	-58.19
6250	-64.45	-97.90	-62.86	-64.32	-58.60	-58.30	-58.09	-57.73
6500	-64.66	-96.63	-63.36	-64.65	-59.04	-58.70	-58.63	-57.88
6750	-64.77	-88.81	-63.61	-64.99	-59.31	-59.18	-58.63	-58.13
7000	-64.71	-89.29	-63.58	-65.07	-58.85	-58.91	-58.29	-58.07
7250	-64.12	-85.92	-63.32	-64.94	-58.48	-58.38	-57.83	-57.74
7500	-63.60	-83.68	-62.67	-64.36	-58.27	-57.98	-57.78	-57.48
7750	-62.59	-83.28	-62.09	-63.96	-58.01	-58.02	-57.24	-57.18
8000	-61.41	-81.72	-61.58	-63.20	-57.18	-57.36	-56.34	-56.42
8250	-60.45	-81.07	-60.85	-62.09	-56.32	-56.39	-55.76	-55.36
8500	-59.59	-83.73	-60.02	-60.95	-56.09	-55.70	-55.69	-55.13
8750	-58.49	-83.68	-58.99	-59.90	-55.61	-55.45	-54.89	-54.76
9000	-57.61	-83.50	-58.16	-58.86	-54.47	-54.48	-53.48	-53.40
9250	-57.36	-83.54	-57.92	-58.39	-53.89	-53.32	-52.87	-52.17
9500	-57.13	-82.51	-57.66	-58.29	-54.03	-53.22	-53.26	-52.21
9750	-56.42	-77.28	-56.77	-57.69	-53.20	-52.84	-52.51	-51.83
10000	-55.71	-75.90	-55.86	-56.91	-51.35	-51.49	-50.26	-50.35

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