

## 2SP4T Switch

## USB-2SP4T-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
10	-1.12	-1.80	-1.38	-1.59
200	-1.21	-1.88	-1.46	-1.68
400	-1.28	-1.94	-1.52	-1.75
600	-1.34	-1.98	-1.56	-1.80
800	-1.40	-2.01	-1.60	-1.85
1000	-1.46	-2.05	-1.63	-1.90
1200	-1.52	-2.08	-1.67	-1.95
1500	-1.58	-2.13	-1.72	-2.02
1800	-1.64	-2.18	-1.78	-2.08
2000	-1.68	-2.20	-1.81	-2.13
2200	-1.73	-2.23	-1.84	-2.19
2400	-1.78	-2.26	-1.86	-2.24
2600	-1.83	-2.28	-1.89	-2.29
2800	-1.88	-2.31	-1.92	-2.34
3000	-1.93	-2.35	-1.95	-2.38
3200	-1.97	-2.38	-1.99	-2.42
3500	-2.03	-2.44	-2.04	-2.49
3800	-2.10	-2.50	-2.10	-2.55
4000	-2.14	-2.53	-2.13	-2.59
4200	-2.19	-2.57	-2.17	-2.63
4400	-2.23	-2.61	-2.20	-2.67
4600	-2.27	-2.66	-2.24	-2.71
4800	-2.32	-2.71	-2.28	-2.76
5000	-2.37	-2.76	-2.32	-2.81
5200	-2.42	-2.81	-2.36	-2.87
5400	-2.47	-2.85	-2.40	-2.92
5600	-2.52	-2.89	-2.44	-2.97
5800	-2.58	-2.93	-2.48	-3.03
6000	-2.65	-2.96	-2.52	-3.09
6200	-2.73	-3.00	-2.57	-3.15
6400	-2.81	-3.04	-2.63	-3.23
6600	-2.90	-3.08	-2.70	-3.31
6800	-2.98	-3.15	-2.81	-3.39
7000	-3.04	-3.25	-2.95	-3.48
7200	-3.08	-3.38	-3.12	-3.58
7400	-3.15	-3.55	-3.31	-3.74
7600	-3.30	-3.74	-3.48	-3.99
7800	-3.59	-3.94	-3.62	-4.31
8000	-3.98	-4.14	-3.72	-4.64
8200	-4.38	-4.33	-3.82	-4.90
8500	-4.72	-4.67	-4.08	-5.01

# 2SP4T Switch

# USB-2SP4T-852H

## Typical Performance Data

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

Freq. (MHz)	Return Loss, Active ports (dB)					R. Loss, Internally terminated ports (dB)			
	COM	J1	J2	J3	J4	J1	J2	J3	J4
10	-19.38	-19.30	-27.10	-21.32	-23.89	-23.64	-23.82	-23.61	-23.80
200	-19.73	-19.67	-28.42	-21.82	-24.60	-24.25	-24.43	-24.20	-24.41
400	-20.33	-19.94	-28.33	-21.89	-24.89	-23.77	-24.23	-24.05	-24.08
600	-21.37	-21.52	-29.16	-22.43	-26.69	-23.74	-24.10	-23.79	-23.85
800	-23.65	-23.65	-29.95	-23.32	-29.88	-23.70	-23.57	-23.50	-23.42
1000	-28.34	-27.00	-32.48	-24.67	-36.63	-23.39	-23.38	-23.57	-23.87
1200	-35.12	-31.34	-36.74	-26.98	-36.72	-23.30	-23.79	-23.45	-23.89
1500	-34.35	-26.02	-38.74	-35.01	-29.44	-23.12	-23.23	-23.95	-23.57
1800	-26.15	-21.95	-31.59	-43.23	-26.63	-23.06	-23.11	-24.13	-23.01
2000	-23.40	-20.16	-28.01	-35.77	-25.70	-22.39	-22.78	-23.60	-22.50
2200	-21.28	-20.08	-26.98	-30.66	-25.57	-22.19	-22.66	-23.11	-21.80
2400	-20.70	-20.03	-25.02	-27.90	-26.53	-21.56	-21.75	-22.90	-21.57
2600	-20.96	-20.74	-23.99	-25.83	-27.41	-21.37	-21.94	-21.98	-21.18
2800	-21.87	-21.54	-22.99	-23.74	-28.98	-20.99	-21.11	-21.72	-20.97
3000	-23.61	-22.57	-22.00	-23.07	-29.22	-20.98	-20.94	-21.39	-20.75
3200	-25.90	-23.45	-21.61	-22.41	-29.49	-20.89	-20.63	-21.28	-20.63
3500	-33.15	-24.11	-21.25	-22.78	-28.14	-21.03	-20.43	-21.24	-20.07
3800	-28.99	-24.69	-21.43	-23.70	-28.16	-20.77	-19.97	-21.20	-19.68
4000	-25.39	-24.79	-21.24	-23.71	-27.63	-20.51	-19.74	-20.94	-19.42
4200	-23.39	-23.80	-21.05	-23.67	-25.54	-20.13	-19.49	-20.80	-19.12
4400	-23.10	-21.62	-20.34	-22.55	-22.60	-19.92	-19.19	-20.36	-18.89
4600	-24.10	-18.97	-19.65	-21.50	-20.13	-19.65	-18.96	-20.00	-18.71
4800	-25.46	-17.17	-19.03	-20.97	-18.80	-19.52	-18.67	-19.92	-18.63
5000	-27.13	-16.30	-18.83	-20.80	-18.52	-19.49	-18.59	-19.80	-18.72
5200	-29.29	-16.40	-19.02	-21.09	-18.86	-19.68	-18.52	-19.72	-18.69
5400	-31.87	-17.27	-19.53	-21.89	-19.58	-20.03	-18.53	-19.80	-18.84
5600	-35.30	-18.60	-20.26	-22.56	-19.90	-20.45	-18.63	-19.84	-19.04
5800	-34.84	-19.72	-21.14	-23.03	-18.87	-20.93	-18.74	-19.96	-19.34
6000	-29.38	-19.45	-21.97	-22.85	-17.08	-21.61	-18.86	-19.80	-19.83
6200	-24.40	-17.35	-22.79	-21.96	-15.13	-22.47	-19.31	-19.85	-20.42
6400	-20.98	-15.03	-22.23	-20.07	-13.57	-23.45	-19.67	-19.77	-21.20
6600	-18.79	-13.25	-19.75	-17.30	-12.71	-24.27	-20.16	-19.75	-22.33
6800	-17.70	-12.43	-16.84	-14.69	-12.77	-25.39	-20.86	-19.83	-23.52
7000	-17.67	-12.71	-14.30	-12.40	-14.11	-25.86	-21.69	-19.91	-24.90
7200	-18.16	-14.54	-12.34	-10.73	-17.33	-25.21	-22.53	-20.07	-25.98
7400	-17.06	-19.06	-10.99	-9.63	-20.00	-23.67	-23.12	-19.67	-25.15
7600	-13.82	-25.08	-10.22	-9.21	-15.76	-21.70	-23.04	-19.22	-23.09
7800	-10.56	-16.28	-10.07	-9.46	-11.40	-19.59	-22.06	-18.23	-20.85
8000	-8.29	-11.38	-10.65	-10.62	-8.88	-17.57	-20.36	-16.93	-18.58
8200	-6.95	-8.99	-12.26	-13.31	-7.68	-15.85	-18.48	-15.69	-16.61
8500	-6.30	-8.01	-18.33	-26.38	-7.93	-13.63	-15.84	-13.94	-14.13

# 2SP4T Switch

# USB-2SP4T-852H

## Typical Performance Data

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

Freq. (MHz)	Isolation, Active states (dB)				Isolation, Disconnected states (dB)			
	COM-1	COM-3	J2-J3	J3-J4	COM-1	COM-2	COM-3	COM-4
10	-110.99	-113.19	-109.94	-114.48	-111.09	-110.60	-76.20	-109.84
200	-108.48	-107.06	-109.30	-107.23	-108.72	-106.78	-74.28	-110.28
400	-108.81	-109.68	-107.87	-108.72	-109.46	-108.20	-73.07	-109.75
600	-105.81	-109.40	-112.78	-110.92	-107.00	-111.24	-67.76	-107.89
800	-104.89	-109.75	-106.18	-108.97	-109.50	-109.98	-63.57	-108.90
1000	-107.88	-108.06	-108.67	-105.37	-108.22	-107.73	-60.20	-107.09
1200	-107.88	-104.00	-105.51	-107.87	-109.41	-108.09	-57.45	-107.83
1500	-109.61	-104.53	-108.01	-110.32	-107.24	-108.48	-53.96	-105.60
1800	-105.83	-102.31	-106.08	-103.98	-104.79	-112.39	-51.16	-103.29
2000	-106.87	-98.71	-108.28	-103.70	-107.27	-105.55	-49.60	-102.02
2200	-103.76	-96.84	-106.67	-98.79	-104.36	-108.06	-48.26	-102.68
2400	-101.85	-95.48	-106.23	-100.37	-104.77	-105.05	-47.05	-100.84
2600	-98.76	-91.83	-103.99	-96.45	-98.87	-104.48	-45.89	-98.77
2800	-96.52	-89.46	-104.50	-95.90	-99.01	-102.68	-44.85	-97.26
3000	-95.53	-86.55	-101.75	-95.99	-97.84	-96.89	-43.85	-96.57
3200	-92.35	-84.57	-100.52	-96.21	-98.06	-92.32	-42.95	-100.93
3500	-90.41	-81.78	-105.67	-92.37	-98.57	-89.50	-41.71	-96.41
3800	-87.85	-78.92	-107.25	-90.40	-99.78	-86.51	-40.56	-92.84
4000	-85.97	-77.32	-107.21	-89.50	-101.96	-84.56	-39.89	-88.76
4200	-84.26	-75.73	-102.70	-87.88	-97.99	-83.03	-39.30	-85.69
4400	-82.63	-74.46	-98.76	-86.25	-91.77	-81.53	-38.82	-82.80
4600	-80.76	-73.23	-94.70	-84.72	-86.88	-80.20	-38.41	-80.34
4800	-79.31	-72.18	-90.42	-83.68	-83.48	-79.15	-38.03	-78.78
5000	-78.48	-71.25	-88.65	-82.84	-80.83	-77.36	-37.66	-77.13
5200	-77.68	-70.48	-85.71	-82.78	-79.07	-75.68	-37.24	-75.79
5400	-76.92	-69.65	-84.12	-81.81	-77.46	-74.02	-36.79	-74.87
5600	-76.69	-68.82	-82.14	-81.04	-76.24	-72.32	-36.30	-74.44
5800	-75.89	-67.95	-80.33	-81.09	-75.18	-70.61	-35.78	-73.49
6000	-74.72	-67.17	-78.43	-79.55	-74.30	-69.14	-35.28	-72.29
6200	-73.59	-66.23	-76.61	-78.13	-73.27	-67.86	-34.83	-71.42
6400	-72.78	-65.28	-74.86	-77.07	-72.56	-66.98	-34.49	-70.48
6600	-71.19	-64.36	-73.08	-75.30	-71.87	-66.27	-34.25	-69.54
6800	-69.34	-63.35	-71.43	-73.67	-71.46	-65.80	-34.11	-68.91
7000	-67.92	-62.26	-69.66	-72.34	-71.44	-65.49	-34.02	-68.51
7200	-66.78	-61.05	-67.99	-71.16	-71.85	-65.33	-33.91	-68.62
7400	-66.64	-59.83	-66.38	-71.15	-73.30	-65.25	-33.73	-69.33
7600	-66.52	-58.53	-64.76	-70.72	-74.69	-65.07	-33.44	-69.95
7800	-64.91	-57.29	-63.14	-70.11	-74.83	-64.56	-32.98	-70.28
8000	-64.89	-56.19	-61.57	-70.32	-73.33	-63.57	-32.37	-70.34
8200	-64.72	-55.20	-60.05	-69.71	-70.60	-61.78	-31.59	-69.37
8500	-63.87	-53.81	-58.18	-69.09	-65.82	-57.95	-30.31	-66.60

## 2SP4T Switch

## USB-2SP4T-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
10	-1.22	-1.92	-1.46	-1.69
200	-1.33	-2.01	-1.55	-1.79
400	-1.41	-2.08	-1.62	-1.87
600	-1.48	-2.13	-1.67	-1.94
800	-1.56	-2.17	-1.72	-2.00
1000	-1.63	-2.21	-1.76	-2.06
1200	-1.69	-2.26	-1.81	-2.11
1500	-1.76	-2.32	-1.88	-2.19
1800	-1.82	-2.37	-1.94	-2.26
2000	-1.86	-2.40	-1.98	-2.32
2200	-1.91	-2.43	-2.01	-2.38
2400	-1.97	-2.46	-2.04	-2.43
2600	-2.03	-2.49	-2.07	-2.49
2800	-2.09	-2.53	-2.11	-2.54
3000	-2.14	-2.57	-2.14	-2.59
3200	-2.19	-2.61	-2.18	-2.64
3500	-2.26	-2.67	-2.24	-2.71
3800	-2.33	-2.74	-2.31	-2.78
4000	-2.38	-2.78	-2.35	-2.83
4200	-2.43	-2.83	-2.39	-2.87
4400	-2.48	-2.88	-2.43	-2.91
4600	-2.52	-2.93	-2.47	-2.96
4800	-2.57	-2.98	-2.52	-3.01
5000	-2.62	-3.03	-2.56	-3.07
5200	-2.68	-3.09	-2.61	-3.14
5400	-2.74	-3.14	-2.66	-3.20
5600	-2.80	-3.19	-2.70	-3.26
5800	-2.87	-3.23	-2.76	-3.32
6000	-2.95	-3.28	-2.81	-3.39
6200	-3.04	-3.32	-2.87	-3.46
6400	-3.13	-3.36	-2.93	-3.54
6600	-3.22	-3.41	-3.02	-3.63
6800	-3.30	-3.49	-3.12	-3.72
7000	-3.36	-3.59	-3.25	-3.81
7200	-3.42	-3.73	-3.41	-3.93
7400	-3.50	-3.89	-3.58	-4.11
7600	-3.67	-4.08	-3.74	-4.36
7800	-3.96	-4.28	-3.90	-4.68
8000	-4.35	-4.48	-4.03	-5.00
8200	-4.74	-4.70	-4.17	-5.26
8500	-5.08	-5.07	-4.48	-5.39

## 2SP4T Switch

## USB-2SP4T-852H

## Typical Performance Data

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

Freq. (MHz)	Return Loss, Active ports (dB)					R. Loss, Internally terminated ports (dB)			
	COM	J1	J2	J3	J4	J1	J2	J3	J4
10	-18.66	-18.57	-25.39	-20.38	-22.68	-22.79	-22.95	-22.75	-22.95
200	-19.07	-18.99	-26.62	-20.93	-23.46	-23.32	-23.55	-23.31	-23.56
400	-19.59	-19.56	-26.69	-21.07	-24.06	-23.31	-23.46	-23.25	-23.48
600	-20.91	-20.98	-27.53	-21.68	-25.78	-23.22	-23.40	-23.19	-23.32
800	-23.11	-23.37	-28.79	-22.66	-29.11	-23.07	-23.29	-23.16	-23.21
1000	-26.68	-27.57	-30.94	-24.16	-35.53	-22.99	-23.21	-23.09	-23.27
1200	-32.83	-31.52	-34.19	-26.56	-38.19	-22.90	-23.09	-23.10	-23.22
1500	-33.93	-25.47	-39.01	-32.85	-29.76	-22.60	-22.88	-23.07	-22.85
1800	-25.40	-21.12	-33.03	-50.91	-25.82	-22.20	-22.53	-22.92	-22.33
2000	-22.41	-19.77	-29.78	-34.84	-24.68	-21.83	-22.09	-22.76	-21.85
2200	-20.76	-19.29	-27.05	-29.75	-24.61	-21.48	-21.69	-22.48	-21.47
2400	-19.94	-19.53	-24.92	-26.82	-25.42	-21.18	-21.32	-22.22	-21.15
2600	-20.01	-20.26	-23.39	-24.85	-26.95	-20.87	-21.00	-21.89	-20.89
2800	-20.92	-21.19	-22.31	-23.54	-28.37	-20.58	-20.67	-21.58	-20.60
3000	-22.70	-22.15	-21.49	-22.69	-28.92	-20.36	-20.38	-21.25	-20.25
3200	-25.55	-22.65	-21.02	-22.24	-28.11	-20.18	-20.15	-20.96	-19.83
3500	-31.94	-22.81	-20.79	-22.19	-26.46	-19.96	-19.79	-20.65	-19.18
3800	-27.90	-23.09	-20.57	-22.39	-26.03	-19.76	-19.33	-20.29	-18.83
4000	-24.98	-23.14	-20.23	-22.32	-25.47	-19.64	-19.02	-20.06	-18.71
4200	-23.45	-22.09	-19.82	-21.86	-23.58	-19.55	-18.84	-19.85	-18.63
4400	-22.94	-20.17	-19.34	-21.18	-21.35	-19.53	-18.70	-19.65	-18.61
4600	-23.18	-18.17	-18.84	-20.54	-19.52	-19.49	-18.54	-19.47	-18.57
4800	-24.07	-16.76	-18.45	-20.11	-18.44	-19.51	-18.41	-19.37	-18.59
5000	-25.43	-16.13	-18.27	-19.90	-18.15	-19.63	-18.34	-19.28	-18.60
5200	-27.62	-16.19	-18.36	-19.99	-18.47	-19.81	-18.35	-19.25	-18.64
5400	-31.40	-17.01	-18.76	-20.47	-19.31	-20.10	-18.44	-19.31	-18.77
5600	-40.14	-18.56	-19.43	-21.19	-20.00	-20.47	-18.56	-19.42	-19.00
5800	-35.94	-20.27	-20.51	-21.91	-19.18	-20.98	-18.72	-19.42	-19.35
6000	-27.67	-19.87	-21.98	-22.34	-17.06	-21.63	-18.99	-19.47	-19.88
6200	-23.26	-17.20	-23.14	-21.62	-14.90	-22.42	-19.38	-19.70	-20.53
6400	-20.58	-14.74	-22.32	-19.39	-13.42	-23.34	-19.90	-19.94	-21.36
6600	-19.02	-13.15	-19.63	-16.78	-12.73	-24.28	-20.40	-20.15	-22.37
6800	-18.40	-12.49	-16.73	-14.42	-12.95	-25.13	-20.98	-20.42	-23.45
7000	-18.57	-12.91	-14.37	-12.55	-14.36	-25.51	-21.69	-20.78	-24.56
7200	-18.77	-14.81	-12.51	-11.09	-17.41	-24.88	-22.42	-20.87	-25.31
7400	-17.07	-19.23	-11.24	-10.20	-19.48	-23.35	-22.78	-20.64	-24.51
7600	-13.78	-23.47	-10.51	-9.87	-15.52	-21.39	-22.49	-20.05	-22.59
7800	-10.72	-16.13	-10.39	-10.17	-11.47	-19.38	-21.44	-19.01	-20.37
8000	-8.59	-11.60	-10.99	-11.29	-9.10	-17.46	-19.82	-17.64	-18.21
8200	-7.31	-9.29	-12.63	-13.84	-7.97	-15.69	-18.04	-16.25	-16.25
8500	-6.76	-8.43	-18.72	-26.53	-8.36	-13.50	-15.57	-14.30	-13.84

# 2SP4T Switch

# USB-2SP4T-852H

## Typical Performance Data

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

Freq. (MHz)	Isolation, Active states (dB)				Isolation, Disconnected states (dB)			
	COM-1	COM-3	J2-J3	J3-J4	COM-1	COM-2	COM-3	COM-4
10	-114.40	-109.69	-105.45	-112.22	-107.79	-110.90	-75.41	-108.61
200	-109.52	-111.66	-108.90	-106.78	-109.72	-107.41	-73.91	-110.29
400	-106.14	-107.48	-109.90	-111.09	-107.73	-106.66	-73.63	-106.27
600	-108.40	-106.83	-106.35	-108.60	-107.78	-108.23	-67.81	-107.79
800	-108.02	-106.61	-109.98	-106.30	-107.61	-107.32	-63.38	-109.34
1000	-109.04	-106.62	-107.86	-108.57	-109.26	-107.83	-60.00	-106.49
1200	-108.92	-108.30	-109.39	-106.59	-107.83	-108.42	-57.25	-105.69
1500	-109.43	-106.16	-106.38	-108.16	-109.79	-106.97	-53.81	-106.80
1800	-103.65	-100.84	-106.89	-106.84	-108.61	-104.29	-51.09	-106.96
2000	-103.98	-99.72	-105.55	-102.40	-106.18	-103.12	-49.53	-103.63
2200	-103.75	-94.81	-105.16	-100.57	-106.04	-106.00	-48.23	-100.34
2400	-104.40	-93.02	-103.76	-99.25	-99.00	-105.57	-47.05	-98.97
2600	-99.92	-92.42	-104.24	-97.84	-101.57	-105.10	-45.93	-100.71
2800	-97.43	-88.48	-106.58	-97.29	-101.34	-101.20	-44.90	-98.99
3000	-95.17	-86.32	-102.08	-95.55	-98.22	-97.19	-43.91	-98.23
3200	-92.63	-84.23	-103.22	-94.71	-97.11	-94.34	-43.02	-98.42
3500	-90.62	-81.69	-102.53	-92.94	-100.77	-89.94	-41.76	-95.69
3800	-87.49	-78.95	-106.55	-90.30	-99.81	-86.71	-40.64	-91.86
4000	-86.04	-77.47	-105.24	-88.89	-98.76	-85.08	-39.99	-88.84
4200	-84.38	-75.95	-103.88	-88.17	-96.62	-83.54	-39.42	-85.90
4400	-82.81	-74.49	-99.17	-85.75	-91.38	-81.85	-38.95	-82.89
4600	-81.14	-73.39	-93.69	-84.83	-86.85	-80.47	-38.54	-80.46
4800	-79.54	-72.24	-91.11	-83.89	-83.74	-79.16	-38.17	-78.74
5000	-78.71	-71.33	-88.20	-82.91	-80.92	-77.23	-37.81	-77.26
5200	-77.58	-70.34	-85.59	-82.23	-78.80	-75.66	-37.40	-76.03
5400	-76.84	-69.54	-83.78	-81.85	-77.45	-73.94	-36.97	-75.01
5600	-76.62	-68.78	-82.05	-81.05	-76.19	-72.27	-36.48	-74.41
5800	-75.70	-67.90	-79.78	-80.75	-75.13	-70.54	-35.96	-73.51
6000	-74.67	-67.04	-78.06	-79.34	-74.30	-69.15	-35.48	-72.42
6200	-73.61	-66.16	-76.47	-78.26	-73.44	-67.96	-35.04	-71.43
6400	-72.83	-65.31	-74.80	-77.15	-72.69	-67.05	-34.71	-70.63
6600	-71.20	-64.35	-73.13	-75.49	-72.16	-66.43	-34.48	-69.75
6800	-69.52	-63.38	-71.45	-73.88	-71.83	-66.00	-34.34	-69.16
7000	-68.15	-62.29	-69.86	-72.64	-71.77	-65.70	-34.24	-68.75
7200	-67.08	-61.11	-68.17	-71.64	-72.36	-65.53	-34.11	-68.85
7400	-66.79	-59.96	-66.61	-71.25	-73.32	-65.45	-33.92	-69.49
7600	-65.93	-58.69	-65.09	-70.63	-74.58	-65.18	-33.61	-69.98
7800	-65.11	-57.53	-63.49	-70.57	-74.46	-64.57	-33.15	-70.33
8000	-65.07	-56.44	-61.90	-70.68	-72.68	-63.43	-32.54	-70.26
8200	-64.92	-55.48	-60.41	-69.92	-69.97	-61.60	-31.79	-69.15
8500	-63.94	-54.14	-58.61	-69.66	-65.52	-57.87	-30.61	-66.37

## 2SP4T Switch

## USB-2SP4T-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
10	-1.32	-2.03	-1.59	-1.81
200	-1.43	-2.12	-1.68	-1.91
400	-1.53	-2.20	-1.76	-2.01
600	-1.61	-2.26	-1.82	-2.08
800	-1.69	-2.31	-1.88	-2.15
1000	-1.77	-2.35	-1.93	-2.21
1200	-1.84	-2.40	-1.98	-2.27
1500	-1.91	-2.47	-2.05	-2.35
1800	-1.96	-2.53	-2.13	-2.42
2000	-2.00	-2.56	-2.16	-2.47
2200	-2.06	-2.59	-2.20	-2.54
2400	-2.12	-2.62	-2.23	-2.60
2600	-2.18	-2.66	-2.26	-2.66
2800	-2.24	-2.69	-2.30	-2.71
3000	-2.30	-2.73	-2.34	-2.76
3200	-2.35	-2.78	-2.38	-2.81
3500	-2.42	-2.84	-2.44	-2.88
3800	-2.49	-2.91	-2.51	-2.96
4000	-2.55	-2.96	-2.56	-3.01
4200	-2.60	-3.01	-2.61	-3.06
4400	-2.65	-3.06	-2.65	-3.11
4600	-2.70	-3.12	-2.70	-3.16
4800	-2.76	-3.18	-2.75	-3.22
5000	-2.82	-3.24	-2.80	-3.28
5200	-2.88	-3.30	-2.85	-3.36
5400	-2.95	-3.36	-2.91	-3.43
5600	-3.02	-3.41	-2.96	-3.50
5800	-3.10	-3.46	-3.01	-3.57
6000	-3.18	-3.51	-3.07	-3.64
6200	-3.28	-3.56	-3.14	-3.72
6400	-3.37	-3.61	-3.21	-3.80
6600	-3.46	-3.66	-3.29	-3.89
6800	-3.54	-3.74	-3.40	-3.98
7000	-3.61	-3.85	-3.54	-4.09
7200	-3.68	-3.98	-3.71	-4.22
7400	-3.79	-4.15	-3.89	-4.42
7600	-3.97	-4.34	-4.07	-4.67
7800	-4.27	-4.55	-4.23	-5.00
8000	-4.65	-4.78	-4.39	-5.32
8200	-5.05	-5.02	-4.55	-5.59
8500	-5.41	-5.44	-4.90	-5.75

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# 2SP4T Switch

## USB-2SP4T-852H

### Typical Performance Data

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

Freq. (MHz)	Return Loss, Active ports (dB)					R. Loss, Internally terminated ports (dB)			
	COM	J1	J2	J3	J4	J1	J2	J3	J4
10	-17.91	-17.82	-23.87	-19.46	-21.51	-21.82	-21.98	-21.78	-21.98
200	-18.39	-18.28	-24.96	-20.05	-22.33	-22.77	-22.98	-22.79	-23.06
400	-18.76	-18.89	-25.05	-20.17	-22.80	-22.45	-22.65	-22.37	-22.52
600	-20.05	-20.38	-25.73	-20.82	-24.57	-22.38	-22.50	-22.37	-22.38
800	-22.38	-22.56	-26.84	-21.70	-27.96	-22.10	-22.30	-22.17	-22.10
1000	-26.39	-26.35	-28.62	-23.09	-35.95	-21.90	-22.09	-22.09	-22.43
1200	-32.73	-30.09	-32.14	-25.49	-40.48	-21.89	-22.10	-22.18	-22.43
1500	-33.11	-24.56	-42.62	-31.71	-28.93	-21.74	-22.04	-22.36	-22.26
1800	-25.06	-20.33	-33.54	-49.33	-24.74	-21.60	-21.90	-22.32	-21.82
2000	-21.81	-18.99	-29.28	-34.24	-23.38	-21.24	-21.61	-22.32	-21.14
2200	-19.86	-18.60	-26.84	-29.32	-23.19	-20.93	-21.30	-22.02	-20.74
2400	-18.88	-18.89	-24.63	-26.21	-23.77	-20.59	-20.82	-21.61	-20.30
2600	-18.96	-19.61	-22.97	-24.18	-25.07	-20.23	-20.43	-21.18	-20.01
2800	-19.95	-20.52	-21.80	-22.77	-26.22	-20.00	-20.02	-20.78	-19.79
3000	-21.81	-21.46	-20.83	-21.81	-27.03	-19.83	-19.77	-20.47	-19.65
3200	-24.56	-22.37	-20.30	-21.20	-27.25	-19.84	-19.66	-20.21	-19.52
3500	-32.56	-22.96	-19.98	-21.10	-26.39	-19.79	-19.49	-20.14	-19.18
3800	-28.39	-22.96	-19.98	-21.28	-25.64	-19.69	-19.20	-19.93	-18.93
4000	-24.55	-22.67	-19.74	-21.38	-25.05	-19.55	-18.90	-19.76	-18.74
4200	-22.50	-21.57	-19.44	-21.20	-23.49	-19.29	-18.62	-19.58	-18.51
4400	-21.98	-19.84	-18.99	-20.70	-21.46	-19.10	-18.39	-19.36	-18.30
4600	-22.42	-17.93	-18.46	-20.05	-19.48	-18.92	-18.14	-19.09	-18.10
4800	-23.87	-16.35	-17.88	-19.54	-18.24	-18.77	-17.87	-18.91	-18.00
5000	-25.54	-15.66	-17.64	-19.28	-17.86	-18.81	-17.75	-18.78	-18.01
5200	-27.99	-15.73	-17.66	-19.41	-18.16	-18.96	-17.69	-18.72	-18.02
5400	-31.21	-16.63	-18.04	-19.91	-18.96	-19.31	-17.76	-18.76	-18.19
5600	-36.05	-18.08	-18.71	-20.64	-19.57	-19.70	-17.91	-18.91	-18.44
5800	-33.90	-19.54	-19.71	-21.32	-18.70	-20.32	-18.14	-19.04	-18.79
6000	-27.72	-19.20	-21.02	-21.74	-16.75	-21.07	-18.51	-19.20	-19.30
6200	-23.54	-16.86	-22.09	-21.28	-14.74	-21.99	-19.02	-19.50	-20.00
6400	-20.96	-14.58	-21.57	-19.42	-13.30	-22.97	-19.61	-19.79	-20.89
6600	-19.55	-13.09	-19.30	-16.94	-12.64	-23.91	-20.26	-19.96	-21.88
6800	-18.99	-12.51	-16.63	-14.59	-12.93	-24.85	-20.92	-20.18	-22.99
7000	-18.98	-13.01	-14.39	-12.70	-14.47	-25.48	-21.69	-20.50	-24.27
7200	-18.57	-14.96	-12.62	-11.21	-17.60	-24.97	-22.40	-20.55	-25.12
7400	-16.43	-19.38	-11.43	-10.29	-19.63	-23.61	-22.84	-20.29	-24.46
7600	-13.38	-23.61	-10.76	-9.96	-15.75	-21.82	-22.67	-19.80	-22.87
7800	-10.62	-16.46	-10.66	-10.29	-11.76	-19.84	-21.77	-18.86	-20.74
8000	-8.68	-11.96	-11.23	-11.42	-9.39	-17.90	-20.18	-17.53	-18.51
8200	-7.49	-9.64	-12.79	-14.01	-8.26	-16.09	-18.37	-16.18	-16.50
8500	-7.01	-8.82	-18.55	-26.86	-8.72	-13.87	-15.82	-14.31	-14.01

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# 2SP4T Switch

# USB-2SP4T-852H

## Typical Performance Data

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

Freq. (MHz)	Isolation, Active states (dB)				Isolation, Disconnected states (dB)			
	COM-1	COM-3	J2-J3	J3-J4	COM-1	COM-2	COM-3	COM-4
10	-113.60	-108.74	-110.01	-111.92	-108.80	-112.23	-74.49	-110.36
200	-112.93	-107.19	-111.22	-108.11	-107.39	-106.85	-73.17	-106.57
400	-108.56	-109.17	-109.35	-108.34	-109.60	-106.76	-74.69	-108.13
600	-108.57	-106.13	-111.41	-107.86	-108.17	-112.59	-67.69	-105.30
800	-105.83	-106.69	-109.36	-107.73	-108.09	-106.80	-62.99	-111.17
1000	-105.26	-106.39	-107.23	-108.13	-107.90	-104.63	-59.56	-105.79
1200	-109.16	-106.99	-108.44	-104.76	-105.81	-106.69	-56.84	-106.76
1500	-108.88	-105.20	-108.03	-109.75	-105.42	-108.80	-53.48	-105.36
1800	-105.98	-100.76	-106.04	-105.85	-110.06	-107.44	-50.84	-105.87
2000	-103.04	-100.54	-105.61	-104.67	-106.29	-105.08	-49.35	-104.43
2200	-103.02	-96.77	-105.83	-100.29	-104.10	-107.50	-48.06	-99.85
2400	-101.23	-94.29	-105.59	-101.61	-101.48	-107.73	-46.91	-99.77
2600	-99.32	-90.85	-105.85	-98.60	-101.63	-103.00	-45.82	-99.98
2800	-97.93	-88.73	-105.29	-97.70	-101.33	-100.01	-44.81	-98.31
3000	-94.32	-86.90	-102.21	-96.99	-98.86	-97.69	-43.85	-98.19
3200	-92.44	-84.56	-103.54	-93.98	-97.97	-94.80	-42.98	-99.16
3500	-89.58	-81.55	-105.29	-92.03	-98.29	-89.50	-41.77	-95.07
3800	-87.73	-79.10	-107.46	-90.96	-102.09	-86.56	-40.66	-91.56
4000	-85.99	-77.43	-106.31	-88.96	-99.12	-84.90	-40.01	-89.02
4200	-84.45	-75.98	-105.67	-88.31	-95.17	-83.13	-39.43	-86.15
4400	-82.72	-74.59	-99.07	-86.40	-91.57	-81.74	-38.96	-83.29
4600	-80.98	-73.26	-94.24	-85.13	-87.31	-80.25	-38.55	-80.63
4800	-79.66	-72.14	-90.61	-83.65	-83.45	-78.60	-38.20	-78.89
5000	-78.23	-71.14	-88.32	-82.82	-80.62	-77.01	-37.86	-77.14
5200	-77.40	-70.18	-85.51	-82.18	-78.87	-75.39	-37.48	-75.85
5400	-76.83	-69.34	-83.36	-81.37	-77.28	-73.62	-37.07	-74.90
5600	-76.32	-68.55	-81.92	-80.88	-76.25	-71.96	-36.61	-74.26
5800	-75.37	-67.71	-79.98	-80.32	-74.86	-70.43	-36.12	-73.29
6000	-74.57	-66.94	-78.07	-79.22	-74.09	-68.99	-35.65	-72.26
6200	-73.67	-66.07	-76.38	-77.92	-73.39	-67.91	-35.24	-71.46
6400	-72.76	-65.24	-74.56	-76.75	-72.76	-67.07	-34.93	-70.57
6600	-71.19	-64.35	-73.17	-75.51	-72.06	-66.38	-34.73	-69.81
6800	-69.67	-63.40	-71.52	-73.97	-71.74	-66.03	-34.60	-69.17
7000	-68.17	-62.38	-69.91	-72.61	-71.74	-65.78	-34.51	-68.88
7200	-67.13	-61.24	-68.37	-71.66	-72.15	-65.63	-34.38	-68.93
7400	-66.46	-60.06	-66.84	-71.02	-72.98	-65.47	-34.18	-69.31
7600	-65.41	-58.90	-65.36	-70.63	-73.82	-65.21	-33.87	-69.83
7800	-65.10	-57.79	-63.83	-70.69	-73.90	-64.62	-33.41	-70.20
8000	-65.24	-56.74	-62.32	-70.64	-72.37	-63.46	-32.83	-69.96
8200	-65.15	-55.78	-60.84	-70.19	-69.90	-61.66	-32.13	-68.98
8500	-64.19	-54.46	-59.08	-69.77	-65.70	-58.09	-31.03	-66.41

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