

Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = 0°C, Pin=8dBm

FREQUENCY (MHz)	INSERTION LOSS							
	(dB)							
	COM-J1	COM-J2	COM-J3	COM-J4	COM-J5	COM-J6	COM-J7	COM-J8
10	2.59	2.57	2.59	2.52	2.60	2.58	2.59	2.59
20	2.62	2.60	2.62	2.55	2.63	2.61	2.62	2.61
40	2.66	2.64	2.66	2.59	2.67	2.65	2.66	2.65
50	2.68	2.66	2.68	2.60	2.68	2.67	2.68	2.67
60	2.69	2.68	2.69	2.62	2.70	2.69	2.69	2.69
70	2.71	2.69	2.71	2.64	2.72	2.70	2.71	2.71
80	2.73	2.71	2.73	2.65	2.73	2.72	2.73	2.72
90	2.74	2.72	2.74	2.67	2.74	2.73	2.74	2.73
100	2.75	2.73	2.75	2.68	2.76	2.74	2.75	2.75
200	2.86	2.84	2.86	2.79	2.86	2.85	2.85	2.85
300	2.93	2.91	2.93	2.85	2.94	2.92	2.92	2.91
400	3.01	2.99	3.01	2.93	3.01	2.99	2.99	2.99
500	3.09	3.06	3.09	3.00	3.08	3.07	3.06	3.06
600	3.15	3.13	3.15	3.07	3.15	3.13	3.13	3.12
700	3.21	3.19	3.21	3.12	3.20	3.19	3.18	3.18
800	3.24	3.22	3.24	3.16	3.24	3.22	3.22	3.21
900	3.27	3.25	3.27	3.18	3.26	3.25	3.24	3.23
1000	3.30	3.28	3.30	3.21	3.29	3.27	3.26	3.25
1100	3.34	3.32	3.34	3.25	3.32	3.31	3.29	3.28
1200	3.40	3.38	3.40	3.30	3.37	3.36	3.33	3.32
1300	3.46	3.44	3.46	3.36	3.43	3.41	3.38	3.37
1400	3.52	3.50	3.52	3.43	3.50	3.47	3.44	3.43
1500	3.58	3.56	3.58	3.49	3.56	3.53	3.50	3.49
1600	3.62	3.61	3.62	3.55	3.60	3.58	3.55	3.55
1700	3.66	3.64	3.66	3.58	3.63	3.61	3.59	3.59
1800	3.68	3.66	3.68	3.60	3.65	3.63	3.62	3.62
1900	3.70	3.68	3.70	3.62	3.67	3.65	3.64	3.63
2000	3.73	3.71	3.73	3.65	3.69	3.67	3.66	3.65
2200	3.85	3.82	3.85	3.74	3.80	3.77	3.75	3.73
2400	4.01	3.99	4.01	3.89	3.96	3.93	3.89	3.88
2600	4.14	4.12	4.14	4.02	4.10	4.07	4.03	4.01
2800	4.22	4.19	4.22	4.11	4.17	4.15	4.12	4.10
3000	4.30	4.27	4.30	4.18	4.22	4.20	4.17	4.15
3200	4.43	4.40	4.43	4.28	4.33	4.30	4.26	4.23
3400	4.56	4.54	4.56	4.40	4.46	4.42	4.38	4.35
3600	4.66	4.63	4.66	4.50	4.57	4.53	4.50	4.47
3800	4.77	4.73	4.77	4.61	4.70	4.66	4.62	4.60
4000	4.92	4.89	4.92	4.77	4.87	4.84	4.77	4.75
4200	5.12	5.10	5.12	5.00	5.08	5.05	4.98	4.96
4400	5.25	5.21	5.25	5.13	5.20	5.16	5.11	5.08
4600	5.26	5.21	5.26	5.13	5.19	5.14	5.11	5.08
4800	5.21	5.15	5.21	5.05	5.14	5.09	5.06	5.02
5000	5.22	5.18	5.22	5.04	5.19	5.13	5.05	5.04
5200	5.39	5.36	5.39	5.22	5.38	5.34	5.23	5.22
5400	5.60	5.56	5.60	5.48	5.59	5.56	5.47	5.45
5600	5.74	5.69	5.74	5.66	5.72	5.70	5.63	5.60
5800	5.80	5.72	5.80	5.70	5.75	5.70	5.67	5.62
6000	5.80	5.72	5.80	5.68	5.76	5.69	5.67	5.61
6200	5.82	5.73	5.82	5.67	5.80	5.72	5.70	5.63
6400	5.87	5.79	5.87	5.73	5.86	5.78	5.76	5.70
6500	5.90	5.82	5.90	5.77	5.88	5.81	5.79	5.73

Notes

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Typical Performance Data

TEST CONDITIONS: @Temperature = 0°C, Pin=8dBm

FREQUENCY (MHz)	VSWR, Active Ports								
	(:1)								
	COM	J1	J2	J3	J4	J5	J6	J7	J8
10	1.50	1.51	1.50	1.51	1.49	1.51	1.50	1.51	1.50
20	1.50	1.50	1.50	1.50	1.49	1.50	1.50	1.50	1.50
40	1.49	1.50	1.49	1.50	1.48	1.50	1.50	1.50	1.50
50	1.49	1.50	1.49	1.50	1.48	1.50	1.50	1.50	1.49
60	1.49	1.49	1.49	1.49	1.48	1.49	1.49	1.49	1.49
70	1.48	1.49	1.49	1.49	1.48	1.49	1.49	1.49	1.49
80	1.48	1.49	1.48	1.49	1.47	1.49	1.49	1.49	1.49
90	1.48	1.49	1.48	1.49	1.47	1.49	1.49	1.49	1.49
100	1.47	1.48	1.48	1.48	1.47	1.48	1.48	1.48	1.48
200	1.41	1.46	1.45	1.46	1.44	1.45	1.45	1.46	1.45
300	1.32	1.40	1.39	1.40	1.38	1.40	1.39	1.40	1.39
400	1.22	1.33	1.32	1.33	1.31	1.32	1.32	1.32	1.32
500	1.13	1.27	1.26	1.27	1.25	1.26	1.25	1.26	1.25
600	1.05	1.23	1.22	1.23	1.21	1.22	1.22	1.22	1.21
700	1.07	1.22	1.21	1.22	1.19	1.20	1.20	1.20	1.19
800	1.13	1.23	1.22	1.23	1.20	1.21	1.20	1.20	1.20
900	1.17	1.25	1.24	1.25	1.22	1.22	1.22	1.23	1.22
1000	1.20	1.27	1.25	1.27	1.23	1.24	1.23	1.24	1.22
1100	1.20	1.27	1.25	1.27	1.22	1.23	1.23	1.23	1.21
1200	1.18	1.24	1.23	1.24	1.20	1.21	1.20	1.21	1.19
1300	1.15	1.20	1.19	1.20	1.16	1.17	1.16	1.17	1.14
1400	1.10	1.14	1.14	1.14	1.12	1.12	1.11	1.11	1.09
1500	1.06	1.08	1.08	1.08	1.08	1.08	1.07	1.06	1.06
1600	1.06	1.02	1.04	1.02	1.07	1.04	1.04	1.03	1.06
1700	1.09	1.05	1.05	1.05	1.09	1.06	1.07	1.07	1.09
1800	1.12	1.11	1.10	1.11	1.12	1.10	1.11	1.12	1.13
1900	1.15	1.16	1.14	1.16	1.15	1.13	1.14	1.15	1.15
2000	1.17	1.19	1.17	1.19	1.16	1.14	1.15	1.17	1.16
2200	1.16	1.19	1.17	1.19	1.14	1.12	1.13	1.15	1.12
2400	1.14	1.11	1.11	1.11	1.07	1.07	1.06	1.06	1.05
2600	1.12	1.01	1.03	1.01	1.03	1.04	1.05	1.04	1.05
2800	1.08	1.12	1.10	1.12	1.13	1.11	1.12	1.14	1.13
3000	1.05	1.22	1.20	1.22	1.23	1.17	1.19	1.21	1.19
3200	1.02	1.25	1.27	1.25	1.27	1.21	1.21	1.22	1.22
3400	1.02	1.24	1.26	1.24	1.25	1.21	1.20	1.20	1.21
3600	1.05	1.20	1.22	1.20	1.18	1.19	1.17	1.16	1.17
3800	1.08	1.16	1.15	1.16	1.11	1.13	1.13	1.12	1.11
4000	1.11	1.12	1.10	1.12	1.10	1.09	1.10	1.10	1.09
4200	1.17	1.05	1.05	1.05	1.10	1.04	1.05	1.08	1.09
4400	1.24	1.06	1.04	1.06	1.08	1.05	1.05	1.04	1.06
4600	1.28	1.18	1.13	1.18	1.08	1.14	1.12	1.08	1.06
4800	1.26	1.28	1.24	1.28	1.15	1.22	1.21	1.16	1.15
5000	1.20	1.30	1.29	1.30	1.22	1.24	1.23	1.22	1.24
5200	1.13	1.22	1.23	1.22	1.20	1.18	1.16	1.21	1.25
5400	1.13	1.08	1.13	1.08	1.16	1.08	1.08	1.16	1.21
5600	1.18	1.06	1.00	1.06	1.09	1.04	1.07	1.10	1.12
5800	1.21	1.16	1.11	1.16	1.06	1.11	1.09	1.04	1.04
6000	1.24	1.22	1.18	1.22	1.08	1.16	1.11	1.01	1.04
6200	1.19	1.23	1.20	1.23	1.09	1.17	1.09	1.06	1.09
6400	1.13	1.22	1.18	1.22	1.07	1.19	1.09	1.05	1.08
6500	1.10	1.24	1.19	1.24	1.08	1.22	1.12	1.05	1.07

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Typical Performance Data

TEST CONDITIONS: @Temperature = 0°C, Pin=8dBm

FREQUENCY (MHz)	VSWR, Internally Terminated Ports							
	(:1)							
	J1	J2	J3	J4	J5	J6	J7	J8
10	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
20	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
40	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
50	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
60	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
70	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
80	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
90	1.13	1.13	1.13	1.13	1.14	1.13	1.13	1.13
100	1.13	1.13	1.13	1.14	1.14	1.13	1.14	1.13
200	1.14	1.14	1.14	1.14	1.15	1.14	1.14	1.15
300	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
400	1.13	1.14	1.13	1.14	1.13	1.14	1.13	1.13
500	1.12	1.13	1.12	1.13	1.13	1.14	1.13	1.13
600	1.13	1.13	1.13	1.13	1.13	1.14	1.13	1.13
700	1.13	1.13	1.13	1.13	1.13	1.14	1.13	1.13
800	1.12	1.13	1.12	1.13	1.13	1.14	1.13	1.13
900	1.12	1.13	1.12	1.13	1.12	1.13	1.12	1.13
1000	1.12	1.13	1.12	1.12	1.12	1.13	1.12	1.13
1100	1.12	1.13	1.12	1.12	1.12	1.13	1.12	1.13
1200	1.11	1.13	1.11	1.12	1.12	1.13	1.12	1.12
1300	1.11	1.12	1.11	1.12	1.12	1.13	1.11	1.12
1400	1.11	1.12	1.11	1.11	1.11	1.12	1.11	1.12
1500	1.11	1.12	1.11	1.11	1.11	1.12	1.11	1.12
1600	1.11	1.12	1.11	1.11	1.11	1.12	1.10	1.12
1700	1.11	1.12	1.11	1.10	1.11	1.11	1.10	1.12
1800	1.11	1.12	1.11	1.10	1.11	1.11	1.10	1.11
1900	1.11	1.12	1.11	1.10	1.10	1.11	1.09	1.11
2000	1.11	1.12	1.11	1.10	1.10	1.11	1.09	1.11
2200	1.10	1.12	1.10	1.09	1.10	1.10	1.08	1.11
2400	1.10	1.11	1.10	1.09	1.09	1.10	1.07	1.10
2600	1.10	1.11	1.10	1.08	1.08	1.09	1.06	1.10
2800	1.10	1.11	1.10	1.08	1.08	1.09	1.06	1.09
3000	1.10	1.12	1.10	1.09	1.08	1.09	1.05	1.09
3200	1.10	1.12	1.10	1.09	1.07	1.10	1.05	1.08
3400	1.11	1.13	1.11	1.10	1.08	1.10	1.05	1.09
3600	1.12	1.13	1.12	1.10	1.08	1.10	1.06	1.09
3800	1.14	1.13	1.14	1.10	1.09	1.10	1.07	1.09
4000	1.14	1.13	1.14	1.10	1.09	1.09	1.08	1.09
4200	1.15	1.13	1.15	1.10	1.09	1.09	1.08	1.09
4400	1.15	1.13	1.15	1.10	1.10	1.08	1.09	1.10
4600	1.16	1.13	1.16	1.11	1.10	1.09	1.10	1.11
4800	1.15	1.13	1.15	1.12	1.09	1.09	1.09	1.10
5000	1.15	1.14	1.15	1.13	1.09	1.10	1.09	1.10
5200	1.15	1.14	1.15	1.14	1.08	1.11	1.09	1.10
5400	1.17	1.14	1.17	1.14	1.09	1.11	1.10	1.11
5600	1.16	1.15	1.16	1.15	1.08	1.13	1.10	1.11
5800	1.17	1.15	1.17	1.15	1.08	1.14	1.10	1.11
6000	1.16	1.16	1.16	1.16	1.07	1.14	1.11	1.13
6200	1.17	1.17	1.17	1.17	1.08	1.16	1.12	1.14
6400	1.16	1.16	1.16	1.17	1.07	1.16	1.12	1.16
6500	1.16	1.17	1.16	1.17	1.07	1.16	1.12	1.16

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Typical Performance Data

TEST CONDITIONS: @Temperature = 0°C, Pin=8dBm

FREQUENCY (MHz)	ISOLATION							
	(dB)							
	COM-J2 @J1 Active	COM-J3 @J1 Active	COM-J5 @J7 Active	COM-J7 @J8 Active	J1-J2 @J1 Active	J4-J5 @J4 Active	J5-J6 @J5 Active	J7-J8 @J8 Active
10	118.75	100.95	105.90	114.13	108.26	111.05	112.68	115.53
20	106.76	109.23	100.40	103.98	115.57	118.97	104.34	103.62
40	104.47	100.83	104.39	100.49	110.11	102.76	109.36	108.52
50	104.07	97.88	103.51	103.92	107.05	113.10	100.16	113.23
60	107.07	102.70	102.40	117.03	107.71	103.97	107.45	100.68
70	111.24	100.50	107.70	108.15	103.59	98.57	103.13	112.98
80	107.67	102.04	99.19	103.94	104.40	120.40	119.18	103.22
90	108.87	106.60	114.18	102.98	96.75	109.76	106.04	112.47
100	102.92	108.37	116.35	103.14	111.88	105.81	101.49	103.06
200	109.86	107.46	121.41	101.38	105.78	115.78	107.23	97.43
300	105.86	99.73	98.57	105.45	113.87	111.33	109.72	102.92
400	104.48	102.84	107.80	111.25	106.84	105.79	105.26	97.92
500	117.76	105.07	103.05	102.47	107.74	100.25	101.05	100.47
600	99.47	103.33	108.76	100.31	106.46	100.42	102.63	100.87
700	102.15	100.35	104.10	104.50	101.74	105.04	110.28	101.16
800	99.47	103.67	111.17	99.05	103.33	104.32	100.20	100.19
900	106.97	119.18	114.17	98.52	119.00	95.89	104.42	101.74
1000	103.86	105.83	97.72	98.68	104.16	101.78	101.45	98.78
1100	107.49	114.77	105.11	100.37	103.21	109.04	105.27	103.48
1200	107.45	115.52	111.95	97.80	107.78	98.21	97.49	94.98
1300	107.10	101.35	101.86	100.65	104.08	104.07	105.25	95.95
1400	105.37	108.67	102.98	107.94	98.97	100.13	98.25	90.92
1500	102.53	102.20	101.86	98.70	103.72	112.06	108.30	92.79
1600	132.71	107.06	108.51	97.04	106.93	104.10	96.97	90.63
1700	103.18	114.83	108.44	104.17	104.74	97.71	109.25	89.60
1800	101.40	105.89	102.56	107.11	98.99	98.96	106.44	91.53
1900	105.36	121.85	96.06	99.91	110.91	111.07	96.94	90.16
2000	97.73	100.99	106.13	99.89	101.56	100.44	103.48	88.54
2200	93.99	104.57	104.71	94.67	97.38	103.39	106.97	88.00
2400	95.23	114.39	106.81	95.30	100.65	97.63	106.73	84.68
2600	95.31	104.97	101.10	90.07	96.33	95.87	96.79	82.36
2800	90.46	112.20	105.09	90.09	104.48	99.28	101.73	80.52
3000	89.92	108.54	109.87	86.19	100.98	95.99	103.49	78.91
3200	89.23	97.16	117.21	84.41	101.36	101.15	104.35	77.98
3400	82.94	110.47	101.96	83.09	110.62	96.55	100.55	76.26
3600	81.06	108.99	105.64	80.75	118.54	99.84	122.49	73.79
3800	79.63	112.35	109.15	80.39	98.74	103.51	99.06	71.85
4000	78.04	99.97	102.11	77.61	115.96	97.23	94.59	70.67
4200	76.46	97.00	110.06	75.57	99.93	90.66	93.57	68.94
4400	74.62	94.03	98.78	73.66	116.72	90.45	96.22	67.66
4600	72.47	100.09	102.07	71.52	103.16	96.15	99.83	65.79
4800	70.25	99.56	117.96	69.63	106.88	93.03	96.45	63.44
5000	68.29	115.43	109.90	67.68	96.83	96.56	96.05	61.50
5200	66.65	105.51	100.95	65.79	109.39	91.47	94.63	59.82
5400	65.64	108.09	104.73	64.21	104.76	89.78	90.74	58.61
5600	65.10	102.88	97.95	63.34	101.96	91.21	94.85	58.28
5800	64.71	103.78	106.18	63.08	100.03	101.51	95.00	58.10
6000	64.74	112.41	110.76	63.03	101.21	112.77	94.18	57.97
6200	64.74	103.17	101.26	63.11	102.17	101.87	91.93	58.16
6400	64.87	94.81	102.55	63.49	116.12	96.96	92.01	58.31
6500	64.72	90.15	100.72	63.63	110.35	101.99	90.20	58.54

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +25°C, Pin=8dBm

FREQUENCY (MHz)	INSERTION LOSS							
	(dB)							
	COM-J1	COM-J2	COM-J3	COM-J4	COM-J5	COM-J6	COM-J7	COM-J8
10	2.71	2.71	2.69	2.68	2.72	2.72	2.72	2.72
20	2.74	2.73	2.72	2.71	2.75	2.75	2.75	2.75
40	2.78	2.77	2.76	2.75	2.79	2.79	2.79	2.79
50	2.80	2.79	2.78	2.76	2.81	2.80	2.81	2.81
60	2.82	2.81	2.79	2.78	2.83	2.82	2.83	2.83
70	2.83	2.83	2.81	2.80	2.84	2.84	2.84	2.84
80	2.85	2.84	2.82	2.81	2.86	2.85	2.86	2.86
90	2.86	2.85	2.84	2.83	2.87	2.86	2.87	2.87
100	2.87	2.86	2.85	2.84	2.88	2.88	2.88	2.88
200	2.99	2.98	2.96	2.95	3.00	2.99	2.99	2.99
300	3.08	3.07	3.06	3.05	3.09	3.08	3.09	3.08
400	3.17	3.16	3.15	3.13	3.18	3.17	3.17	3.17
500	3.26	3.24	3.23	3.21	3.26	3.25	3.25	3.25
600	3.32	3.32	3.30	3.29	3.33	3.32	3.32	3.32
700	3.38	3.37	3.36	3.34	3.39	3.38	3.38	3.37
800	3.42	3.41	3.40	3.38	3.43	3.42	3.42	3.41
900	3.45	3.44	3.43	3.41	3.46	3.44	3.44	3.43
1000	3.49	3.47	3.47	3.44	3.49	3.47	3.47	3.46
1100	3.53	3.51	3.51	3.48	3.53	3.50	3.49	3.48
1200	3.58	3.57	3.57	3.53	3.58	3.55	3.54	3.52
1300	3.65	3.63	3.64	3.59	3.64	3.61	3.59	3.58
1400	3.72	3.70	3.71	3.66	3.71	3.68	3.66	3.64
1500	3.78	3.76	3.77	3.73	3.77	3.74	3.72	3.71
1600	3.83	3.81	3.82	3.79	3.82	3.79	3.78	3.77
1700	3.86	3.84	3.86	3.83	3.85	3.83	3.83	3.82
1800	3.88	3.86	3.88	3.85	3.87	3.85	3.86	3.84
1900	3.91	3.88	3.90	3.87	3.89	3.86	3.88	3.86
2000	3.94	3.92	3.93	3.90	3.91	3.89	3.90	3.89
2200	4.07	4.04	4.05	3.99	4.04	4.00	4.00	3.97
2400	4.24	4.22	4.22	4.16	4.21	4.17	4.16	4.13
2600	4.37	4.35	4.36	4.30	4.35	4.31	4.30	4.27
2800	4.46	4.43	4.45	4.40	4.43	4.40	4.40	4.37
3000	4.55	4.51	4.53	4.46	4.50	4.45	4.47	4.41
3200	4.69	4.65	4.65	4.58	4.62	4.56	4.57	4.51
3400	4.81	4.79	4.78	4.70	4.73	4.69	4.69	4.64
3600	4.91	4.89	4.88	4.80	4.84	4.80	4.79	4.76
3800	5.02	5.00	5.00	4.92	4.98	4.94	4.93	4.89
4000	5.20	5.16	5.17	5.09	5.18	5.11	5.10	5.06
4200	5.42	5.37	5.38	5.32	5.39	5.32	5.31	5.26
4400	5.54	5.47	5.51	5.44	5.49	5.41	5.43	5.37
4600	5.54	5.45	5.52	5.42	5.49	5.39	5.43	5.35
4800	5.50	5.38	5.46	5.33	5.46	5.33	5.38	5.29
5000	5.53	5.41	5.46	5.33	5.51	5.38	5.41	5.31
5200	5.69	5.59	5.60	5.50	5.69	5.57	5.58	5.49
5400	5.87	5.78	5.80	5.74	5.87	5.78	5.78	5.70
5600	6.01	5.91	5.97	5.92	5.98	5.90	5.92	5.85
5800	6.06	5.95	6.06	5.97	6.03	5.92	5.98	5.89
6000	6.06	5.96	6.08	5.97	6.03	5.92	5.97	5.90
6200	6.08	5.99	6.09	5.99	6.07	5.96	5.99	5.93
6400	6.13	6.06	6.14	6.04	6.13	6.02	6.05	6.00
6500	6.17	6.09	6.18	6.09	6.17	6.06	6.09	6.04

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +25°C, Pin=8dBm

FREQUENCY (MHz)	VSWR, Active Ports								
	(:1)								
	COM	J1	J2	J3	J4	J5	J6	J7	J8
10	1.54	1.54	1.53	1.53	1.53	1.54	1.54	1.54	1.54
20	1.53	1.53	1.53	1.52	1.52	1.53	1.53	1.53	1.53
40	1.52	1.52	1.52	1.52	1.51	1.53	1.53	1.53	1.53
50	1.52	1.52	1.52	1.52	1.51	1.52	1.52	1.52	1.52
60	1.51	1.52	1.52	1.51	1.51	1.52	1.52	1.52	1.52
70	1.51	1.52	1.51	1.51	1.51	1.52	1.52	1.52	1.52
80	1.50	1.51	1.51	1.51	1.50	1.51	1.51	1.51	1.51
90	1.50	1.51	1.51	1.50	1.50	1.51	1.51	1.51	1.51
100	1.49	1.50	1.50	1.50	1.50	1.51	1.51	1.51	1.51
200	1.43	1.46	1.46	1.46	1.45	1.46	1.46	1.46	1.46
300	1.34	1.41	1.40	1.40	1.40	1.41	1.40	1.41	1.40
400	1.24	1.34	1.34	1.34	1.33	1.34	1.34	1.34	1.33
500	1.14	1.29	1.28	1.28	1.27	1.28	1.27	1.28	1.27
600	1.06	1.25	1.24	1.24	1.23	1.23	1.23	1.23	1.22
700	1.07	1.23	1.23	1.23	1.21	1.22	1.21	1.22	1.21
800	1.13	1.24	1.24	1.23	1.22	1.22	1.22	1.23	1.22
900	1.18	1.27	1.25	1.25	1.24	1.24	1.24	1.25	1.23
1000	1.21	1.27	1.27	1.26	1.25	1.25	1.25	1.25	1.24
1100	1.22	1.27	1.26	1.26	1.24	1.24	1.24	1.25	1.23
1200	1.19	1.24	1.24	1.23	1.21	1.22	1.21	1.22	1.20
1300	1.15	1.20	1.19	1.20	1.17	1.18	1.17	1.18	1.15
1400	1.10	1.14	1.14	1.15	1.12	1.13	1.11	1.12	1.10
1500	1.06	1.08	1.08	1.10	1.07	1.08	1.06	1.06	1.05
1600	1.07	1.03	1.03	1.06	1.05	1.04	1.04	1.03	1.05
1700	1.10	1.05	1.06	1.06	1.09	1.05	1.08	1.07	1.09
1800	1.14	1.10	1.11	1.09	1.13	1.09	1.12	1.11	1.13
1900	1.16	1.16	1.15	1.13	1.16	1.13	1.14	1.15	1.16
2000	1.18	1.19	1.17	1.15	1.17	1.14	1.16	1.17	1.16
2200	1.17	1.20	1.17	1.16	1.15	1.14	1.13	1.15	1.12
2400	1.13	1.13	1.11	1.10	1.07	1.09	1.05	1.08	1.05
2600	1.10	1.02	1.02	1.01	1.04	1.01	1.05	1.02	1.05
2800	1.07	1.13	1.10	1.13	1.14	1.12	1.12	1.14	1.13
3000	1.04	1.25	1.20	1.24	1.23	1.21	1.18	1.23	1.19
3200	1.02	1.28	1.25	1.27	1.26	1.24	1.20	1.26	1.21
3400	1.03	1.23	1.25	1.22	1.24	1.19	1.20	1.20	1.20
3600	1.06	1.15	1.21	1.14	1.17	1.13	1.17	1.11	1.16
3800	1.10	1.15	1.16	1.13	1.12	1.12	1.14	1.10	1.12
4000	1.13	1.14	1.11	1.14	1.10	1.12	1.09	1.13	1.09
4200	1.17	1.09	1.04	1.11	1.09	1.08	1.04	1.12	1.08
4400	1.21	1.05	1.04	1.02	1.06	1.04	1.05	1.03	1.05
4600	1.25	1.18	1.14	1.13	1.07	1.16	1.12	1.08	1.06
4800	1.26	1.31	1.23	1.26	1.14	1.27	1.18	1.20	1.14
5000	1.22	1.36	1.27	1.33	1.21	1.31	1.20	1.28	1.22
5200	1.15	1.29	1.24	1.31	1.23	1.25	1.18	1.29	1.26
5400	1.10	1.14	1.15	1.18	1.19	1.12	1.11	1.20	1.23
5600	1.12	1.10	1.05	1.09	1.11	1.08	1.05	1.09	1.16
5800	1.18	1.20	1.08	1.17	1.02	1.17	1.04	1.04	1.09
6000	1.22	1.28	1.17	1.27	1.06	1.23	1.08	1.08	1.08
6200	1.22	1.30	1.21	1.32	1.11	1.25	1.09	1.11	1.12
6400	1.18	1.29	1.21	1.32	1.12	1.26	1.09	1.09	1.13
6500	1.15	1.27	1.22	1.30	1.12	1.26	1.11	1.06	1.12

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +25°C, Pin=8dBm

FREQUENCY (MHz)	VSWR, Internally Terminated Ports							
	(:1)							
	J1	J2	J3	J4	J5	J6	J7	J8
10	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
20	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
40	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
50	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
60	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
70	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
80	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
90	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
100	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
200	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14
300	1.13	1.14	1.13	1.14	1.14	1.14	1.14	1.14
400	1.13	1.14	1.13	1.14	1.14	1.14	1.14	1.14
500	1.13	1.14	1.13	1.14	1.14	1.14	1.14	1.14
600	1.13	1.14	1.13	1.14	1.14	1.14	1.14	1.14
700	1.13	1.14	1.13	1.14	1.14	1.14	1.14	1.14
800	1.13	1.14	1.13	1.14	1.14	1.14	1.13	1.14
900	1.13	1.14	1.13	1.14	1.13	1.14	1.13	1.14
1000	1.13	1.14	1.13	1.13	1.13	1.14	1.13	1.13
1100	1.13	1.13	1.13	1.13	1.13	1.14	1.13	1.13
1200	1.12	1.13	1.13	1.13	1.13	1.14	1.13	1.13
1300	1.12	1.13	1.13	1.13	1.13	1.13	1.12	1.13
1400	1.12	1.13	1.12	1.13	1.12	1.13	1.12	1.13
1500	1.12	1.13	1.12	1.12	1.12	1.13	1.12	1.12
1600	1.12	1.13	1.12	1.12	1.12	1.13	1.12	1.12
1700	1.12	1.13	1.12	1.12	1.12	1.13	1.11	1.12
1800	1.11	1.13	1.11	1.11	1.11	1.12	1.10	1.11
1900	1.11	1.12	1.11	1.11	1.11	1.12	1.10	1.11
2000	1.11	1.12	1.11	1.11	1.10	1.12	1.09	1.10
2200	1.10	1.12	1.10	1.10	1.10	1.11	1.08	1.10
2400	1.10	1.12	1.10	1.10	1.09	1.11	1.07	1.10
2600	1.10	1.12	1.10	1.10	1.09	1.10	1.07	1.10
2800	1.10	1.12	1.10	1.10	1.08	1.10	1.06	1.11
3000	1.10	1.12	1.10	1.10	1.08	1.10	1.06	1.11
3200	1.11	1.13	1.10	1.10	1.08	1.10	1.06	1.11
3400	1.11	1.13	1.10	1.11	1.08	1.10	1.06	1.12
3600	1.12	1.14	1.11	1.12	1.08	1.11	1.06	1.14
3800	1.13	1.14	1.12	1.12	1.09	1.11	1.07	1.14
4000	1.14	1.15	1.12	1.13	1.09	1.11	1.07	1.14
4200	1.14	1.15	1.13	1.13	1.09	1.12	1.08	1.15
4400	1.15	1.16	1.13	1.15	1.09	1.13	1.09	1.15
4600	1.16	1.17	1.14	1.15	1.09	1.13	1.10	1.14
4800	1.17	1.17	1.14	1.16	1.10	1.13	1.10	1.15
5000	1.17	1.17	1.15	1.16	1.10	1.14	1.11	1.14
5200	1.18	1.18	1.16	1.16	1.10	1.14	1.12	1.15
5400	1.19	1.18	1.17	1.17	1.11	1.15	1.13	1.14
5600	1.20	1.18	1.17	1.17	1.11	1.14	1.14	1.13
5800	1.20	1.18	1.18	1.17	1.11	1.15	1.14	1.13
6000	1.20	1.19	1.18	1.17	1.11	1.15	1.14	1.12
6200	1.20	1.19	1.18	1.17	1.11	1.16	1.15	1.12
6400	1.20	1.18	1.18	1.17	1.12	1.15	1.15	1.13
6500	1.20	1.18	1.19	1.16	1.12	1.15	1.16	1.12

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +25°C, Pin=8dBm

FREQUENCY (MHz)	ISOLATION							
	(dB)							
	COM-J2 @J1 Active	COM-J3 @J1 Active	COM-J5 @J7 Active	COM-J7 @J8 Active	J1-J2 @J1 Active	J4-J5 @J4 Active	J5-J6 @J5 Active	J7-J8 @J8 Active
10	105.66	118.46	110.92	123.30	105.57	106.99	118.75	112.12
20	100.92	112.70	106.10	102.64	109.24	108.77	107.91	109.34
40	103.95	108.33	104.90	103.27	112.47	115.42	105.85	102.45
50	101.22	111.12	121.10	106.15	102.84	106.90	111.40	119.54
60	100.11	108.99	112.41	104.69	98.56	101.76	106.50	101.21
70	104.00	108.07	116.76	103.20	106.37	108.05	103.33	98.50
80	107.42	102.56	108.64	104.24	110.50	103.34	113.63	102.87
90	108.33	103.74	115.96	104.15	109.85	101.24	115.32	103.90
100	107.42	104.93	102.03	116.93	109.59	103.71	100.14	98.63
200	118.91	108.72	116.01	100.85	110.34	106.34	104.12	102.43
300	106.25	112.95	112.70	101.47	107.31	107.23	106.16	103.74
400	120.63	109.31	111.87	104.91	103.66	101.29	106.87	99.29
500	108.81	112.30	103.28	104.38	106.78	105.43	108.34	98.11
600	110.37	109.45	110.20	104.04	107.24	106.19	104.31	96.42
700	108.52	107.01	108.39	103.79	104.62	109.81	98.06	104.25
800	103.74	110.27	106.44	107.26	115.87	111.18	103.12	99.77
900	119.35	102.85	107.80	99.47	115.25	109.99	97.04	96.99
1000	117.96	113.96	105.34	103.06	104.73	103.94	111.04	96.07
1100	106.35	110.12	100.77	103.07	101.65	108.82	101.70	96.29
1200	102.26	98.58	104.66	105.04	107.76	108.68	100.32	94.97
1300	112.76	115.74	102.50	108.65	101.56	102.78	103.07	91.91
1400	100.74	101.20	112.00	101.06	108.51	105.93	106.97	91.47
1500	103.15	106.74	105.47	107.15	102.57	103.52	103.41	91.09
1600	100.80	107.91	114.40	101.76	102.71	98.79	97.98	89.54
1700	99.80	100.25	107.64	104.94	109.72	100.66	106.53	87.91
1800	102.57	106.08	105.74	96.36	107.46	105.02	100.25	88.29
1900	128.69	125.64	122.07	98.07	104.36	100.90	112.88	88.39
2000	96.68	105.12	101.97	100.31	111.44	106.23	107.51	85.82
2200	99.05	102.37	96.35	97.09	107.40	106.42	104.95	85.31
2400	97.02	107.67	102.50	93.23	105.22	106.23	107.40	83.65
2600	91.64	100.24	105.63	92.36	108.67	109.55	104.08	81.11
2800	94.10	123.95	107.72	89.52	108.06	110.08	100.00	81.39
3000	90.52	106.27	103.66	86.55	111.60	106.73	101.03	79.24
3200	88.37	104.81	105.27	85.84	105.17	105.07	101.93	78.09
3400	85.00	101.82	103.10	83.37	106.41	103.53	110.46	76.76
3600	82.78	100.92	106.97	81.97	107.03	118.12	110.75	73.91
3800	80.05	103.18	103.07	79.78	103.14	102.58	106.66	72.69
4000	78.86	102.23	101.47	78.11	103.49	99.21	99.58	71.39
4200	77.24	96.10	110.10	76.07	103.39	99.84	117.81	69.84
4400	75.61	98.66	109.78	74.14	97.44	114.92	106.84	68.42
4600	73.11	96.81	110.66	72.37	112.95	110.99	106.98	66.77
4800	70.91	100.25	106.64	70.55	105.01	116.52	107.70	64.49
5000	69.21	101.89	105.93	68.32	108.78	99.55	99.90	62.48
5200	67.70	119.23	110.07	66.88	96.77	97.26	105.93	60.90
5400	66.66	103.61	108.51	65.65	107.56	101.88	103.82	60.00
5600	65.88	96.13	112.12	64.69	106.01	103.95	96.75	59.39
5800	65.37	98.63	98.97	64.24	98.68	98.70	96.49	58.97
6000	65.19	99.92	108.42	64.03	102.40	105.74	97.16	58.70
6200	65.04	97.76	113.29	64.12	104.36	103.24	95.49	58.69
6400	65.13	94.22	101.76	64.39	106.98	105.56	93.01	58.84
6500	65.03	94.62	107.10	64.60	108.00	116.90	90.58	59.02

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +50°C, Pin=8dBm

FREQUENCY (MHz)	INSERTION LOSS							
	(dB)							
	COM-J1	COM-J2	COM-J3	COM-J4	COM-J5	COM-J6	COM-J7	COM-J8
10	2.85	2.79	2.79	2.77	2.81	2.80	2.86	2.86
20	2.89	2.82	2.82	2.80	2.84	2.83	2.89	2.89
40	2.92	2.86	2.86	2.84	2.88	2.86	2.93	2.92
50	2.94	2.88	2.87	2.86	2.89	2.88	2.94	2.94
60	2.96	2.89	2.89	2.88	2.91	2.90	2.96	2.96
70	2.97	2.91	2.90	2.89	2.92	2.92	2.98	2.98
80	2.98	2.92	2.92	2.90	2.94	2.93	2.99	2.99
90	3.00	2.93	2.93	2.92	2.95	2.94	3.00	3.00
100	3.01	2.94	2.94	2.93	2.96	2.95	3.01	3.01
200	3.12	3.06	3.05	3.04	3.07	3.06	3.12	3.12
300	3.23	3.16	3.15	3.14	3.18	3.17	3.23	3.23
400	3.33	3.26	3.25	3.24	3.27	3.26	3.32	3.32
500	3.41	3.34	3.33	3.32	3.35	3.34	3.40	3.40
600	3.48	3.41	3.40	3.39	3.42	3.41	3.47	3.47
700	3.54	3.47	3.46	3.45	3.47	3.46	3.53	3.53
800	3.58	3.51	3.50	3.49	3.51	3.50	3.56	3.57
900	3.61	3.54	3.53	3.51	3.54	3.53	3.59	3.59
1000	3.64	3.57	3.56	3.54	3.56	3.56	3.61	3.61
1100	3.68	3.61	3.60	3.58	3.60	3.59	3.64	3.64
1200	3.73	3.66	3.66	3.63	3.64	3.64	3.68	3.67
1300	3.80	3.72	3.72	3.69	3.71	3.70	3.73	3.73
1400	3.86	3.79	3.79	3.76	3.77	3.76	3.79	3.79
1500	3.93	3.85	3.86	3.83	3.84	3.82	3.86	3.86
1600	3.97	3.90	3.91	3.89	3.88	3.88	3.92	3.92
1700	4.01	3.93	3.95	3.93	3.92	3.91	3.96	3.97
1800	4.03	3.95	3.97	3.95	3.93	3.93	3.99	4.00
1900	4.05	3.97	3.99	3.97	3.95	3.94	4.01	4.02
2000	4.08	4.00	4.01	3.99	3.97	3.97	4.03	4.03
2200	4.21	4.13	4.12	4.09	4.08	4.08	4.12	4.12
2400	4.38	4.31	4.29	4.26	4.26	4.26	4.28	4.28
2600	4.52	4.45	4.44	4.41	4.41	4.40	4.44	4.44
2800	4.61	4.53	4.53	4.50	4.48	4.48	4.53	4.52
3000	4.69	4.61	4.59	4.57	4.54	4.54	4.59	4.58
3200	4.83	4.75	4.71	4.69	4.66	4.65	4.69	4.68
3400	4.97	4.88	4.85	4.81	4.79	4.77	4.82	4.81
3600	5.07	4.98	4.97	4.91	4.91	4.89	4.94	4.93
3800	5.18	5.09	5.08	5.03	5.04	5.02	5.07	5.06
4000	5.35	5.26	5.24	5.21	5.22	5.20	5.23	5.23
4200	5.54	5.44	5.43	5.41	5.41	5.39	5.41	5.41
4400	5.64	5.54	5.55	5.52	5.51	5.48	5.52	5.51
4600	5.62	5.51	5.54	5.50	5.49	5.45	5.50	5.49
4800	5.56	5.45	5.46	5.41	5.44	5.39	5.43	5.41
5000	5.60	5.49	5.46	5.42	5.50	5.45	5.45	5.44
5200	5.75	5.64	5.59	5.57	5.67	5.63	5.61	5.60
5400	5.94	5.84	5.80	5.81	5.86	5.83	5.83	5.82
5600	6.09	5.97	5.98	5.98	5.97	5.95	5.99	5.97
5800	6.12	6.01	6.04	6.04	5.98	5.96	6.01	6.01
6000	6.15	6.01	6.09	6.04	6.00	5.96	6.04	6.01
6200	6.15	6.03	6.08	6.03	6.02	5.98	6.04	6.03
6400	6.20	6.08	6.12	6.08	6.08	6.05	6.10	6.09
6500	6.25	6.12	6.17	6.12	6.14	6.09	6.15	6.13

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +50°C, Pin=8dBm

FREQUENCY (MHz)	VSWR, Active Ports								
	(:1)								
	COM	J1	J2	J3	J4	J5	J6	J7	J8
10	1.57	1.57	1.56	1.56	1.55	1.56	1.56	1.58	1.57
20	1.56	1.57	1.55	1.55	1.55	1.56	1.56	1.57	1.57
40	1.56	1.56	1.55	1.55	1.54	1.55	1.55	1.56	1.56
50	1.55	1.56	1.54	1.54	1.54	1.55	1.55	1.56	1.56
60	1.55	1.55	1.54	1.54	1.53	1.54	1.54	1.56	1.55
70	1.54	1.55	1.53	1.53	1.53	1.54	1.54	1.55	1.55
80	1.54	1.55	1.53	1.53	1.53	1.54	1.53	1.55	1.55
90	1.53	1.54	1.53	1.53	1.52	1.53	1.53	1.54	1.54
100	1.52	1.54	1.52	1.52	1.52	1.53	1.53	1.54	1.54
200	1.45	1.49	1.47	1.48	1.47	1.48	1.48	1.49	1.48
300	1.36	1.42	1.41	1.41	1.41	1.41	1.41	1.42	1.42
400	1.25	1.36	1.35	1.35	1.34	1.35	1.35	1.36	1.35
500	1.14	1.30	1.29	1.29	1.28	1.28	1.28	1.29	1.28
600	1.06	1.26	1.25	1.25	1.24	1.24	1.24	1.25	1.24
700	1.07	1.25	1.23	1.23	1.22	1.22	1.22	1.23	1.22
800	1.14	1.26	1.25	1.24	1.23	1.24	1.24	1.24	1.24
900	1.19	1.28	1.27	1.26	1.25	1.25	1.25	1.26	1.25
1000	1.22	1.30	1.28	1.28	1.26	1.26	1.26	1.27	1.26
1100	1.23	1.29	1.27	1.27	1.25	1.25	1.25	1.26	1.24
1200	1.21	1.26	1.24	1.25	1.22	1.23	1.22	1.24	1.21
1300	1.17	1.21	1.20	1.21	1.17	1.18	1.17	1.19	1.16
1400	1.12	1.15	1.14	1.15	1.12	1.13	1.12	1.13	1.10
1500	1.08	1.08	1.08	1.09	1.07	1.07	1.06	1.06	1.05
1600	1.08	1.01	1.03	1.04	1.06	1.03	1.04	1.02	1.05
1700	1.11	1.06	1.06	1.06	1.09	1.06	1.07	1.07	1.09
1800	1.14	1.13	1.11	1.11	1.13	1.11	1.12	1.13	1.13
1900	1.17	1.18	1.15	1.15	1.16	1.14	1.15	1.17	1.16
2000	1.18	1.21	1.18	1.18	1.18	1.16	1.16	1.19	1.17
2200	1.16	1.20	1.19	1.17	1.16	1.14	1.14	1.17	1.14
2400	1.14	1.12	1.12	1.09	1.08	1.07	1.07	1.07	1.06
2600	1.11	1.01	1.01	1.03	1.02	1.04	1.03	1.04	1.04
2800	1.08	1.14	1.11	1.14	1.14	1.12	1.13	1.15	1.13
3000	1.05	1.23	1.23	1.22	1.25	1.19	1.21	1.22	1.21
3200	1.04	1.26	1.27	1.25	1.28	1.22	1.22	1.23	1.24
3400	1.03	1.22	1.24	1.21	1.24	1.21	1.18	1.19	1.20
3600	1.07	1.18	1.18	1.17	1.15	1.17	1.14	1.14	1.13
3800	1.12	1.16	1.15	1.15	1.10	1.13	1.14	1.11	1.11
4000	1.14	1.13	1.12	1.13	1.11	1.09	1.11	1.10	1.10
4200	1.15	1.07	1.06	1.08	1.09	1.04	1.05	1.08	1.08
4400	1.19	1.06	1.03	1.02	1.04	1.04	1.03	1.02	1.03
4600	1.27	1.17	1.14	1.12	1.06	1.13	1.12	1.06	1.06
4800	1.28	1.28	1.25	1.24	1.16	1.23	1.21	1.17	1.16
5000	1.27	1.33	1.31	1.31	1.24	1.27	1.24	1.25	1.25
5200	1.18	1.28	1.28	1.29	1.25	1.23	1.21	1.27	1.29
5400	1.09	1.16	1.18	1.18	1.21	1.14	1.13	1.23	1.26
5600	1.11	1.07	1.06	1.07	1.11	1.04	1.03	1.14	1.17
5800	1.18	1.16	1.11	1.13	1.02	1.12	1.07	1.06	1.10
6000	1.22	1.26	1.21	1.24	1.09	1.20	1.12	1.09	1.12
6200	1.23	1.28	1.24	1.29	1.13	1.22	1.12	1.13	1.16
6400	1.16	1.26	1.23	1.28	1.13	1.22	1.11	1.11	1.15
6500	1.13	1.27	1.23	1.29	1.13	1.24	1.13	1.09	1.13

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +50°C, Pin=8dBm

FREQUENCY (MHz)	VSWR, Internally Terminated Ports							
	(:1)							
	J1	J2	J3	J4	J5	J6	J7	J8
10	1.15	1.15	1.14	1.15	1.15	1.15	1.15	1.15
20	1.15	1.15	1.14	1.15	1.15	1.15	1.15	1.15
40	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15
50	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15
60	1.14	1.14	1.14	1.15	1.14	1.14	1.15	1.15
70	1.14	1.14	1.14	1.15	1.14	1.14	1.15	1.15
80	1.14	1.14	1.14	1.15	1.14	1.14	1.14	1.15
90	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
100	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
200	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
300	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
400	1.14	1.14	1.14	1.14	1.14	1.14	1.15	1.15
500	1.14	1.15	1.14	1.15	1.14	1.15	1.14	1.15
600	1.14	1.14	1.14	1.15	1.14	1.15	1.15	1.15
700	1.14	1.14	1.14	1.14	1.14	1.15	1.14	1.15
800	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.15
900	1.14	1.14	1.14	1.14	1.14	1.15	1.14	1.15
1000	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.15
1100	1.14	1.14	1.13	1.14	1.14	1.14	1.14	1.15
1200	1.13	1.14	1.13	1.14	1.13	1.14	1.14	1.14
1300	1.13	1.14	1.13	1.14	1.13	1.14	1.13	1.14
1400	1.13	1.14	1.13	1.13	1.13	1.14	1.13	1.14
1500	1.13	1.14	1.12	1.13	1.12	1.14	1.12	1.14
1600	1.12	1.14	1.12	1.13	1.12	1.14	1.12	1.14
1700	1.12	1.14	1.12	1.12	1.12	1.13	1.11	1.13
1800	1.12	1.14	1.11	1.12	1.11	1.13	1.11	1.13
1900	1.11	1.13	1.11	1.12	1.11	1.13	1.10	1.13
2000	1.11	1.13	1.11	1.11	1.11	1.12	1.10	1.13
2200	1.11	1.13	1.10	1.11	1.10	1.12	1.08	1.12
2400	1.11	1.12	1.10	1.10	1.09	1.11	1.07	1.11
2600	1.11	1.12	1.10	1.10	1.09	1.11	1.07	1.11
2800	1.12	1.13	1.10	1.10	1.10	1.10	1.07	1.11
3000	1.13	1.13	1.11	1.10	1.10	1.10	1.07	1.10
3200	1.13	1.13	1.11	1.10	1.10	1.10	1.07	1.10
3400	1.14	1.14	1.12	1.11	1.11	1.11	1.08	1.11
3600	1.15	1.14	1.13	1.12	1.11	1.11	1.09	1.11
3800	1.15	1.15	1.13	1.12	1.11	1.11	1.09	1.12
4000	1.15	1.16	1.13	1.13	1.10	1.12	1.09	1.11
4200	1.16	1.16	1.14	1.14	1.11	1.13	1.09	1.12
4400	1.17	1.17	1.15	1.15	1.11	1.13	1.11	1.13
4600	1.18	1.17	1.15	1.16	1.11	1.14	1.11	1.14
4800	1.18	1.18	1.15	1.17	1.11	1.15	1.11	1.14
5000	1.19	1.19	1.16	1.18	1.12	1.15	1.12	1.14
5200	1.19	1.19	1.16	1.18	1.12	1.15	1.13	1.15
5400	1.21	1.19	1.18	1.18	1.13	1.16	1.15	1.16
5600	1.20	1.19	1.17	1.19	1.12	1.16	1.14	1.15
5800	1.21	1.19	1.18	1.18	1.12	1.16	1.15	1.15
6000	1.21	1.18	1.19	1.17	1.12	1.16	1.16	1.16
6200	1.21	1.18	1.19	1.17	1.12	1.16	1.16	1.17
6400	1.20	1.18	1.18	1.17	1.10	1.16	1.15	1.16
6500	1.20	1.18	1.18	1.17	1.10	1.16	1.15	1.16

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Solid State USB RF SP8T Switch

USB-1SP8T-63H

Typical Performance Data

TEST CONDITIONS: @Temperature = +50°C, Pin=8dBm

FREQUENCY (MHz)	ISOLATION							
	(dB)							
	COM-J2 @J1 Active	COM-J3 @J1 Active	COM-J5 @J7 Active	COM-J7 @J8 Active	J1-J2 @J1 Active	J4-J5 @J4 Active	J5-J6 @J5 Active	J7-J8 @J8 Active
10	104.99	103.48	106.81	104.13	103.58	106.38	102.27	102.98
20	123.36	105.13	104.26	104.39	112.84	120.32	99.87	105.81
40	99.76	104.19	103.12	104.24	102.24	107.23	105.00	116.56
50	110.46	109.76	109.62	104.95	108.26	102.48	101.07	106.85
60	104.39	104.40	106.09	104.03	107.31	103.51	99.99	113.20
70	102.28	98.62	111.53	107.44	115.29	110.15	102.98	103.51
80	106.16	107.39	101.42	112.56	109.64	106.16	110.64	109.12
90	110.93	100.52	108.40	109.22	103.97	100.55	106.32	103.28
100	106.31	100.49	115.10	108.02	104.55	98.69	113.62	102.66
200	108.46	118.00	108.85	122.15	112.43	100.53	104.43	104.65
300	102.99	103.88	99.93	99.73	118.02	101.55	108.33	100.80
400	106.50	101.10	114.66	112.11	101.57	100.34	101.95	107.68
500	111.63	100.94	107.16	101.67	104.26	102.39	126.80	98.85
600	103.96	107.15	109.88	105.30	99.82	99.01	105.93	98.53
700	106.57	111.96	108.71	101.81	105.61	101.70	102.72	106.11
800	114.66	99.23	107.28	100.09	112.76	115.26	105.18	101.75
900	109.08	101.90	112.05	107.46	101.09	100.98	99.60	102.71
1000	101.40	106.60	104.19	105.30	113.94	100.36	109.59	106.19
1100	115.36	102.82	115.03	105.82	104.83	101.44	105.98	96.86
1200	109.09	112.65	101.16	101.28	105.40	99.82	106.30	104.29
1300	105.47	105.12	106.83	111.47	110.36	104.64	116.62	96.92
1400	102.48	106.58	101.70	103.46	98.97	108.61	99.00	98.24
1500	107.26	106.57	106.95	103.96	103.07	104.08	96.68	94.07
1600	105.35	101.37	111.57	103.44	104.11	105.92	103.99	92.85
1700	100.48	100.75	99.08	100.39	100.33	106.84	110.95	93.46
1800	106.93	102.64	99.62	111.95	102.20	110.95	102.16	89.50
1900	123.61	104.47	106.32	105.49	105.85	103.82	103.54	91.87
2000	96.97	100.02	101.30	108.31	103.35	97.99	112.52	86.68
2200	95.09	108.13	100.11	102.30	106.45	103.04	97.33	85.84
2400	94.66	105.88	99.16	94.79	102.06	96.36	119.71	83.96
2600	95.78	99.32	106.33	94.77	99.69	101.67	99.85	81.38
2800	94.30	105.99	111.25	91.85	98.65	101.76	99.79	80.35
3000	92.62	102.47	106.21	90.36	103.06	116.68	98.65	78.67
3200	90.94	100.38	110.87	86.73	116.04	103.81	102.78	77.64
3400	84.22	98.14	103.74	83.94	100.04	102.90	104.50	75.82
3600	81.78	108.58	114.03	82.79	100.71	100.57	99.93	74.08
3800	82.09	100.67	114.78	80.74	103.35	117.20	101.32	72.11
4000	79.28	108.46	102.08	78.29	101.58	96.51	95.08	70.44
4200	77.46	95.33	107.78	76.80	98.42	93.45	95.67	68.69
4400	75.67	106.16	99.18	74.53	99.48	100.48	97.14	67.67
4600	73.46	105.76	106.41	71.92	120.06	100.04	107.32	65.85
4800	71.33	102.64	100.95	69.96	108.36	103.37	92.26	63.68
5000	69.47	101.35	132.96	68.21	100.10	93.84	93.80	61.81
5200	68.12	104.27	121.60	66.43	105.30	96.78	93.62	59.99
5400	67.30	96.63	103.53	65.22	100.49	94.53	93.85	59.32
5600	66.43	105.29	99.38	64.55	103.02	101.22	122.27	59.14
5800	65.96	99.84	107.21	64.33	116.51	97.54	117.59	58.91
6000	65.75	99.82	118.47	64.08	104.30	98.27	98.36	58.66
6200	65.43	97.86	102.15	64.17	109.18	98.15	99.34	58.53
6400	65.35	95.44	116.92	64.50	115.98	98.27	93.02	58.70
6500	65.45	93.13	106.99	64.41	101.50	97.98	90.81	58.92

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCStore/terms.jsp

