

Xtra Long Life USB RF SPDT Switch A

USB-2SPDT-A18

Typical Performance Data

TEST CONDITIONS: @Temperature = 0degC

FREQUENCY (MHz)	INSERTION LOSS ON (dB)		ISOLATION OFF (dB)		VSWR IN (:1)		VSWR ENERGIZED (:1)		VSWR DE-ENERGIZED (:1)	
	COM-1	COM-2	COM-1	COM-2	ON	OFF	1	2	1	2
	10	0.00	0.03	86.47	88.00	1.01	1.02	1.00	1.01	1.01
20	0.01	0.02	86.71	94.34	1.00	1.01	1.00	1.01	1.01	1.00
30	0.02	0.03	95.20	91.79	1.01	1.00	1.00	1.00	1.00	1.00
40	0.02	0.03	89.17	94.92	1.01	1.01	1.00	1.01	1.01	1.00
50	0.02	0.01	89.87	85.48	1.01	1.01	1.00	1.01	1.01	1.00
60	0.02	0.01	89.13	100.00	1.01	1.01	1.01	1.01	1.01	1.00
70	0.02	0.01	90.24	89.73	1.01	1.01	1.01	1.01	1.01	1.00
80	0.02	0.00	106.15	95.21	1.01	1.01	1.01	1.01	1.01	1.00
90	0.02	0.00	93.46	88.55	1.01	1.01	1.01	1.01	1.01	1.00
100	0.02	0.01	94.99	95.58	1.01	1.01	1.01	1.01	1.01	1.00
200	0.02	0.01	89.41	91.38	1.01	1.00	1.02	1.00	1.00	1.01
300	0.03	0.00	110.14	99.39	1.00	1.01	1.02	1.01	1.02	1.02
400	0.03	0.01	122.36	96.19	1.01	1.02	1.02	1.02	1.02	1.02
500	0.03	0.01	104.38	99.51	1.02	1.01	1.01	1.01	1.01	1.02
600	0.04	0.01	105.57	98.70	1.02	1.01	1.01	1.01	1.01	1.02
700	0.04	0.02	102.50	99.69	1.01	1.01	1.02	1.01	1.01	1.02
800	0.04	0.02	108.28	102.50	1.01	1.01	1.02	1.02	1.02	1.02
900	0.04	0.02	102.62	104.87	1.01	1.02	1.02	1.02	1.02	1.03
1000	0.05	0.02	104.67	101.83	1.01	1.01	1.02	1.02	1.02	1.03
1200	0.05	0.02	100.28	106.54	1.01	1.01	1.03	1.01	1.01	1.03
1400	0.05	0.02	119.75	106.41	1.02	1.01	1.03	1.01	1.01	1.04
1600	0.05	0.03	106.48	103.81	1.01	1.02	1.04	1.02	1.02	1.04
1800	0.05	0.03	112.91	103.24	1.02	1.03	1.04	1.02	1.02	1.04
2000	0.06	0.03	104.08	107.47	1.02	1.03	1.05	1.02	1.02	1.04
2200	0.06	0.03	103.11	100.85	1.03	1.02	1.05	1.02	1.02	1.05
2400	0.06	0.04	108.97	103.07	1.03	1.04	1.06	1.03	1.04	1.06
2600	0.06	0.04	96.38	96.77	1.03	1.05	1.07	1.04	1.05	1.06
2800	0.06	0.04	118.33	103.19	1.04	1.04	1.08	1.04	1.05	1.07
3000	0.07	0.04	98.89	103.06	1.05	1.04	1.08	1.04	1.04	1.08
3200	0.08	0.05	102.33	101.24	1.05	1.06	1.09	1.06	1.06	1.08
3400	0.07	0.05	105.38	106.43	1.06	1.09	1.11	1.08	1.08	1.10
3600	0.08	0.05	103.90	99.97	1.08	1.08	1.11	1.07	1.08	1.10
4000	0.08	0.06	94.49	98.21	1.11	1.12	1.13	1.11	1.12	1.12
4500	0.10	0.07	107.75	97.44	1.15	1.13	1.14	1.13	1.13	1.13
5000	0.12	0.10	110.57	100.39	1.16	1.20	1.16	1.20	1.20	1.14
5500	0.15	0.11	98.96	98.82	1.22	1.21	1.14	1.20	1.21	1.13
6000	0.15	0.12	96.72	100.63	1.19	1.24	1.14	1.24	1.23	1.14
6500	0.14	0.11	95.37	94.39	1.19	1.21	1.11	1.21	1.21	1.12
7000	0.13	0.12	96.77	100.38	1.18	1.17	1.09	1.18	1.18	1.10
7500	0.13	0.12	99.27	96.75	1.12	1.14	1.07	1.15	1.14	1.09
8000	0.13	0.11	93.55	96.34	1.14	1.11	1.06	1.12	1.11	1.08
8500	0.15	0.13	99.85	93.57	1.10	1.11	1.07	1.12	1.11	1.09
9000	0.16	0.13	93.49	94.68	1.09	1.06	1.06	1.07	1.07	1.07
9500	0.18	0.14	98.09	89.52	1.07	1.09	1.08	1.11	1.11	1.08
10000	0.20	0.15	92.91	97.43	1.05	1.10	1.09	1.09	1.08	1.08
12000	0.28	0.19	92.17	86.14	1.09	1.08	1.12	1.07	1.09	1.08
13000	0.31	0.23	89.54	87.24	1.14	1.10	1.20	1.07	1.11	1.14
14000	0.33	0.27	87.65	83.67	1.11	1.09	1.26	1.12	1.15	1.21
15000	0.38	0.35	83.89	81.38	1.18	1.24	1.30	1.25	1.25	1.26
16000	0.40	0.43	81.89	80.41	1.14	1.25	1.26	1.27	1.22	1.24
17000	0.35	0.37	82.24	79.81	1.13	1.04	1.18	1.03	1.07	1.16
18000	0.36	0.43	79.85	78.41	1.07	1.18	1.27	1.11	1.14	1.17



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Xtra Long Life USB RF SPDT Switch B

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Typical Performance Data

TEST CONDITIONS: @Temperature = 0degC

FREQUENCY (MHz)	INSERTION LOSS ON (dB)		ISOLATION OFF (dB)		VSWR IN (:1)		VSWR ENERGIZED (:1)		VSWR DE-ENERGIZED (:1)	
	COM-1	COM-2	COM-1	COM-2	ON	OFF	1	2	1	2
10	0.01	0.00	95.10	86.47	1.01	1.01	1.01	1.01	1.01	1.01
20	0.02	0.01	93.18	87.42	1.00	1.00	1.00	1.01	1.01	1.01
30	0.03	0.01	95.85	86.46	1.00	1.01	1.00	1.00	1.00	1.01
40	0.03	0.02	89.59	86.17	1.01	1.01	1.00	1.01	1.01	1.01
50	0.00	0.01	88.52	86.87	1.01	1.01	1.00	1.01	1.01	1.01
60	0.01	0.02	86.67	93.60	1.01	1.01	1.00	1.01	1.01	1.01
70	0.00	0.02	86.13	105.32	1.01	1.01	1.00	1.01	1.01	1.01
80	0.00	0.02	91.81	91.77	1.01	1.01	1.00	1.01	1.01	1.01
90	0.01	0.02	91.66	86.50	1.01	1.01	1.01	1.01	1.01	1.00
100	0.00	0.01	85.19	93.82	1.01	1.01	1.01	1.01	1.01	1.00
200	0.00	0.02	92.10	102.85	1.01	1.01	1.01	1.01	1.00	1.01
300	0.00	0.03	100.28	102.69	1.01	1.01	1.02	1.01	1.01	1.02
400	0.01	0.03	95.76	94.49	1.01	1.01	1.02	1.02	1.02	1.02
500	0.01	0.03	109.12	116.46	1.02	1.02	1.02	1.02	1.01	1.02
600	0.01	0.03	100.90	108.20	1.01	1.01	1.01	1.01	1.01	1.02
700	0.02	0.03	116.31	121.52	1.01	1.01	1.02	1.01	1.01	1.02
800	0.02	0.04	110.03	97.18	1.01	1.01	1.02	1.02	1.01	1.02
900	0.02	0.03	108.98	103.99	1.01	1.01	1.03	1.02	1.02	1.03
1000	0.02	0.04	106.35	121.29	1.01	1.01	1.03	1.02	1.02	1.03
1200	0.02	0.04	103.47	102.22	1.02	1.01	1.03	1.01	1.01	1.03
1400	0.02	0.04	101.98	104.06	1.02	1.01	1.04	1.02	1.01	1.04
1600	0.03	0.05	96.41	101.06	1.02	1.01	1.04	1.02	1.01	1.04
1800	0.02	0.05	100.83	112.65	1.02	1.02	1.04	1.03	1.02	1.04
2000	0.03	0.05	101.45	99.34	1.03	1.01	1.05	1.03	1.02	1.04
2200	0.03	0.06	113.29	102.68	1.03	1.02	1.05	1.02	1.02	1.05
2400	0.04	0.06	104.81	92.73	1.03	1.02	1.06	1.03	1.03	1.05
2600	0.04	0.06	99.62	100.57	1.03	1.03	1.07	1.05	1.04	1.06
2800	0.04	0.06	110.09	106.20	1.04	1.03	1.08	1.04	1.04	1.07
3000	0.04	0.06	103.39	104.23	1.05	1.04	1.09	1.04	1.04	1.07
3200	0.05	0.07	102.59	111.71	1.05	1.05	1.09	1.06	1.06	1.08
3400	0.06	0.07	101.92	107.63	1.06	1.07	1.11	1.08	1.08	1.09
3600	0.06	0.07	111.01	99.24	1.08	1.08	1.11	1.07	1.08	1.10
4000	0.06	0.08	101.05	98.32	1.11	1.11	1.13	1.11	1.12	1.11
4500	0.07	0.09	94.42	113.13	1.15	1.15	1.14	1.12	1.14	1.12
5000	0.09	0.11	97.06	96.49	1.16	1.20	1.15	1.19	1.21	1.14
5500	0.11	0.13	98.76	93.61	1.22	1.23	1.14	1.19	1.21	1.12
6000	0.12	0.13	95.96	98.43	1.18	1.22	1.13	1.22	1.24	1.13
6500	0.11	0.13	99.65	103.35	1.18	1.22	1.11	1.21	1.22	1.11
7000	0.11	0.12	95.79	96.78	1.17	1.19	1.09	1.17	1.18	1.09
7500	0.11	0.12	97.32	95.44	1.11	1.15	1.08	1.15	1.15	1.08
8000	0.10	0.12	95.12	97.93	1.13	1.12	1.07	1.13	1.12	1.08
8500	0.12	0.13	97.74	94.74	1.09	1.11	1.09	1.12	1.11	1.09
9000	0.13	0.14	93.42	98.17	1.07	1.07	1.08	1.05	1.06	1.09
9500	0.13	0.14	93.39	92.86	1.07	1.06	1.09	1.07	1.06	1.10
10000	0.14	0.15	91.41	91.96	1.04	1.07	1.10	1.06	1.07	1.12
12000	0.21	0.20	88.35	87.13	1.14	1.13	1.14	1.08	1.15	1.11
13000	0.23	0.25	88.31	86.97	1.17	1.16	1.23	1.09	1.15	1.18
14000	0.25	0.28	86.34	84.87	1.11	1.14	1.30	1.11	1.17	1.26
15000	0.31	0.34	84.64	82.50	1.14	1.25	1.33	1.22	1.25	1.31
16000	0.38	0.35	82.89	80.79	1.09	1.20	1.26	1.20	1.21	1.27
17000	0.34	0.31	81.15	79.04	1.08	1.03	1.18	1.07	1.05	1.15
18000	0.37	0.36	77.96	76.83	1.05	1.17	1.29	1.19	1.17	1.17



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Xtra Long Life USB RF SPDT Switch A

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Typical Performance Data

TEST CONDITIONS: @Temperature = +25degC

FREQUENCY (MHz)	INSERTION LOSS ON (dB)		ISOLATION OFF (dB)		VSWR IN (:1)		VSWR ENERGIZED (:1)		VSWR DE-ENERGIZED (:1)	
	COM-1	COM-2	COM-1	COM-2	ON	OFF	1	2	1	2
10	0.00	0.00	92.10	86.85	1.01	1.00	1.01	1.00	1.00	1.01
20	0.00	0.01	87.02	89.34	1.00	1.00	1.01	1.00	1.00	1.01
30	0.01	0.01	86.16	92.74	1.00	1.00	1.01	1.00	1.01	1.01
40	0.01	0.01	88.78	89.72	1.00	1.00	1.01	1.01	1.01	1.01
50	0.01	0.00	88.46	89.83	1.00	1.00	1.01	1.00	1.00	1.01
60	0.01	0.00	85.82	94.69	1.00	1.00	1.01	1.00	1.00	1.01
70	0.00	0.00	102.87	87.08	1.00	1.00	1.01	1.00	1.00	1.01
80	0.00	0.00	89.48	87.52	1.00	1.00	1.01	1.00	1.01	1.01
90	0.00	0.00	93.40	88.02	1.00	1.00	1.01	1.00	1.00	1.01
100	0.00	0.00	93.52	91.50	1.00	1.00	1.01	1.00	1.01	1.01
200	0.00	0.01	106.18	91.55	1.00	1.00	1.01	1.00	1.00	1.01
300	0.01	0.01	90.63	95.48	1.00	1.00	1.02	1.01	1.01	1.01
400	0.01	0.02	102.38	104.45	1.00	1.00	1.02	1.00	1.01	1.01
500	0.01	0.02	105.62	107.76	1.00	1.01	1.02	1.01	1.01	1.01
600	0.02	0.02	105.68	98.90	1.01	1.00	1.02	1.01	1.01	1.01
700	0.02	0.02	115.10	98.08	1.01	1.00	1.02	1.01	1.01	1.01
800	0.03	0.03	102.93	98.57	1.01	1.01	1.02	1.01	1.01	1.02
900	0.03	0.03	117.17	104.20	1.01	1.01	1.03	1.01	1.01	1.02
1000	0.03	0.03	106.40	105.98	1.01	1.01	1.03	1.01	1.01	1.02
1200	0.03	0.04	112.69	110.27	1.01	1.01	1.03	1.01	1.01	1.03
1400	0.04	0.04	104.16	98.33	1.01	1.01	1.04	1.01	1.01	1.03
1600	0.04	0.04	103.60	114.63	1.01	1.01	1.04	1.01	1.01	1.04
1800	0.04	0.04	118.04	108.79	1.02	1.02	1.05	1.02	1.02	1.05
2000	0.05	0.05	101.34	106.06	1.02	1.02	1.05	1.02	1.02	1.05
2200	0.05	0.05	100.29	106.05	1.02	1.02	1.06	1.02	1.02	1.06
2400	0.05	0.06	96.36	107.82	1.03	1.03	1.06	1.03	1.03	1.06
2600	0.05	0.06	115.88	98.69	1.03	1.04	1.07	1.04	1.04	1.07
2800	0.06	0.06	96.27	99.53	1.04	1.04	1.08	1.04	1.04	1.08
3000	0.06	0.06	104.94	104.37	1.05	1.04	1.08	1.05	1.04	1.09
3200	0.06	0.07	106.37	109.97	1.05	1.06	1.08	1.06	1.06	1.09
3400	0.07	0.08	101.01	97.96	1.07	1.08	1.09	1.08	1.07	1.10
3600	0.07	0.08	104.17	107.77	1.09	1.09	1.10	1.09	1.08	1.11
4000	0.08	0.09	98.07	98.02	1.11	1.12	1.10	1.12	1.11	1.12
4500	0.10	0.11	104.85	97.62	1.16	1.15	1.12	1.16	1.15	1.14
5000	0.11	0.12	98.74	100.22	1.19	1.17	1.11	1.19	1.18	1.14
5500	0.12	0.14	98.01	107.61	1.22	1.19	1.11	1.21	1.20	1.14
6000	0.13	0.15	95.10	99.02	1.22	1.21	1.11	1.22	1.21	1.13
6500	0.13	0.15	96.56	98.15	1.21	1.19	1.10	1.21	1.19	1.12
7000	0.13	0.15	98.11	98.17	1.20	1.19	1.08	1.19	1.17	1.10
7500	0.13	0.15	92.97	103.61	1.17	1.16	1.07	1.17	1.16	1.08
8000	0.13	0.15	94.86	95.93	1.15	1.14	1.08	1.16	1.14	1.07
8500	0.14	0.16	93.99	94.88	1.12	1.12	1.08	1.13	1.12	1.06
9000	0.13	0.15	94.07	94.79	1.10	1.09	1.09	1.11	1.10	1.07
9500	0.13	0.15	91.99	92.59	1.06	1.07	1.09	1.07	1.07	1.08
10000	0.14	0.16	89.93	92.53	1.05	1.06	1.11	1.07	1.06	1.09
12000	0.17	0.20	86.12	89.27	1.08	1.08	1.15	1.07	1.08	1.12
13000	0.19	0.22	84.19	87.92	1.07	1.10	1.20	1.08	1.10	1.16
14000	0.19	0.23	82.61	87.45	1.04	1.08	1.24	1.05	1.07	1.20
15000	0.21	0.25	78.53	82.92	1.03	1.05	1.24	1.02	1.04	1.21
16000	0.21	0.26	77.05	81.74	1.05	1.04	1.21	1.02	1.05	1.18
17000	0.21	0.26	77.46	80.97	1.11	1.05	1.19	1.08	1.10	1.17
18000	0.21	0.26	75.93	78.52	1.08	1.05	1.25	1.02	1.06	1.24



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Xtra Long Life USB RF SPDT Switch B

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Typical Performance Data

TEST CONDITIONS: @Temperature = +25degC

FREQUENCY (MHz)	INSERTION LOSS ON (dB)		ISOLATION OFF (dB)		VSWR IN (:1)		VSWR ENERGIZED (:1)		VSWR DE-ENERGIZED (:1)	
	COM-1	COM-2	COM-1	COM-2	ON	OFF	1	2	1	2
10	0.00	0.00	90.36	94.64	1.00	1.00	1.01	1.00	1.00	1.01
20	0.01	0.00	98.54	99.26	1.00	1.00	1.01	1.00	1.00	1.02
30	0.02	0.01	92.63	93.61	1.00	1.00	1.01	1.00	1.00	1.02
40	0.02	0.01	91.53	89.28	1.01	1.00	1.01	1.01	1.01	1.02
50	0.00	0.01	92.68	90.91	1.00	1.00	1.01	1.00	1.00	1.02
60	0.00	0.01	93.39	85.29	1.00	1.00	1.01	1.00	1.00	1.02
70	0.00	0.00	92.76	93.80	1.00	1.00	1.01	1.00	1.00	1.02
80	0.00	0.00	88.29	88.92	1.00	1.00	1.01	1.00	1.00	1.02
90	0.00	0.00	93.15	87.04	1.00	1.00	1.01	1.00	1.00	1.02
100	0.00	0.00	86.76	87.01	1.00	1.00	1.01	1.00	1.00	1.02
200	0.00	0.00	91.33	91.49	1.00	1.00	1.01	1.00	1.00	1.02
300	0.01	0.01	99.07	99.76	1.00	1.00	1.01	1.01	1.00	1.02
400	0.01	0.01	97.42	100.56	1.00	1.01	1.01	1.00	1.00	1.02
500	0.02	0.01	94.63	99.35	1.00	1.01	1.02	1.01	1.01	1.02
600	0.02	0.02	107.87	104.16	1.01	1.00	1.02	1.01	1.01	1.02
700	0.02	0.02	106.79	101.52	1.01	1.01	1.02	1.01	1.01	1.02
800	0.03	0.02	98.96	107.07	1.01	1.01	1.02	1.01	1.01	1.02
900	0.03	0.02	98.57	102.17	1.00	1.01	1.02	1.01	1.01	1.03
1000	0.03	0.03	103.84	105.08	1.00	1.01	1.02	1.01	1.01	1.03
1200	0.03	0.03	104.39	103.71	1.00	1.01	1.03	1.01	1.01	1.03
1400	0.04	0.04	108.43	103.24	1.00	1.01	1.03	1.01	1.01	1.03
1600	0.04	0.04	104.33	104.07	1.00	1.01	1.03	1.01	1.01	1.04
1800	0.04	0.04	101.50	106.50	1.01	1.01	1.04	1.02	1.02	1.04
2000	0.05	0.05	106.33	98.89	1.01	1.02	1.05	1.02	1.02	1.05
2200	0.05	0.05	104.38	105.50	1.02	1.02	1.05	1.02	1.02	1.05
2400	0.05	0.05	100.20	105.22	1.02	1.02	1.06	1.02	1.02	1.05
2600	0.05	0.06	101.22	96.49	1.03	1.03	1.06	1.03	1.03	1.06
2800	0.06	0.06	100.66	100.52	1.04	1.04	1.07	1.04	1.04	1.07
3000	0.06	0.06	113.93	100.28	1.04	1.04	1.08	1.04	1.03	1.08
3200	0.06	0.06	103.51	114.85	1.05	1.05	1.08	1.05	1.05	1.08
3400	0.07	0.07	103.07	98.24	1.07	1.07	1.09	1.07	1.06	1.09
3600	0.07	0.07	106.49	99.98	1.09	1.08	1.10	1.08	1.07	1.10
4000	0.08	0.08	105.17	106.44	1.11	1.10	1.11	1.12	1.10	1.11
4500	0.10	0.10	108.28	99.81	1.16	1.14	1.13	1.16	1.15	1.14
5000	0.11	0.12	106.56	100.37	1.19	1.17	1.13	1.19	1.17	1.14
5500	0.12	0.13	103.62	101.94	1.22	1.19	1.13	1.21	1.20	1.15
6000	0.13	0.13	94.74	97.50	1.22	1.20	1.12	1.21	1.21	1.14
6500	0.13	0.13	108.06	98.99	1.20	1.20	1.11	1.19	1.20	1.13
7000	0.13	0.13	94.28	101.12	1.18	1.19	1.09	1.17	1.18	1.12
7500	0.13	0.13	93.30	93.47	1.15	1.17	1.08	1.13	1.17	1.09
8000	0.13	0.13	91.10	95.74	1.13	1.15	1.08	1.12	1.16	1.09
8500	0.14	0.13	95.53	97.82	1.09	1.12	1.07	1.09	1.13	1.06
9000	0.13	0.13	90.68	93.46	1.08	1.09	1.08	1.08	1.10	1.06
9500	0.13	0.13	93.52	92.28	1.05	1.06	1.09	1.05	1.06	1.05
10000	0.13	0.13	92.92	90.47	1.06	1.05	1.10	1.06	1.06	1.06
12000	0.16	0.17	88.79	88.10	1.14	1.10	1.10	1.13	1.10	1.13
13000	0.19	0.20	88.25	88.91	1.14	1.13	1.16	1.16	1.13	1.18
14000	0.20	0.20	85.64	84.94	1.12	1.13	1.22	1.13	1.13	1.21
15000	0.22	0.21	82.28	81.89	1.13	1.13	1.25	1.11	1.13	1.21
16000	0.22	0.23	80.93	80.37	1.14	1.11	1.24	1.13	1.11	1.22
17000	0.21	0.23	80.58	80.28	1.12	1.06	1.23	1.15	1.11	1.25
18000	0.21	0.26	78.87	78.31	1.14	1.07	1.29	1.21	1.07	1.29



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Xtra Long Life USB RF SPDT Switch A

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Typical Performance Data

TEST CONDITIONS: @Temperature = +45degC

FREQUENCY (MHz)	INSERTION LOSS ON (dB)		ISOLATION OFF (dB)		VSWR IN (:1)		VSWR ENERGIZED (:1)		VSWR DE-ENERGIZED (:1)	
	COM-1	COM-2	COM-1	COM-2	ON	OFF	1	2	1	2
	10	0.00	0.00	88.55	86.13	1.01	1.01	1.00	1.00	1.03
20	0.02	0.01	89.75	94.08	1.00	1.00	1.00	1.00	1.01	1.00
30	0.01	0.02	93.74	91.46	1.00	1.00	1.00	1.00	1.00	1.00
40	0.02	0.02	90.03	93.46	1.00	1.01	1.00	1.00	1.01	1.00
50	0.03	0.01	86.76	87.61	1.00	1.00	1.00	1.00	1.00	1.00
60	0.03	0.01	87.54	85.89	1.00	1.00	1.00	1.01	1.00	1.00
70	0.03	0.01	89.45	87.50	1.01	1.00	1.00	1.01	1.00	1.00
80	0.03	0.01	85.84	88.31	1.01	1.00	1.00	1.01	1.01	1.00
90	0.03	0.01	87.92	85.22	1.01	1.01	1.00	1.01	1.01	1.01
100	0.03	0.01	86.13	88.64	1.01	1.01	1.00	1.01	1.01	1.01
200	0.03	0.01	96.32	89.20	1.00	1.00	1.00	1.01	1.01	1.01
300	0.01	0.02	103.43	97.79	1.00	1.00	1.00	1.00	1.01	1.01
400	0.01	0.02	92.09	97.00	1.01	1.01	1.00	1.01	1.01	1.01
500	0.01	0.03	98.51	99.82	1.01	1.01	1.01	1.01	1.01	1.01
600	0.00	0.03	100.83	97.87	1.01	1.00	1.01	1.01	1.01	1.01
700	0.00	0.04	111.89	102.10	1.01	1.01	1.01	1.01	1.01	1.01
800	0.01	0.04	104.33	112.55	1.01	1.01	1.01	1.01	1.01	1.01
900	0.01	0.04	110.10	100.77	1.01	1.01	1.01	1.01	1.01	1.02
1000	0.01	0.05	98.33	101.99	1.01	1.01	1.01	1.01	1.01	1.02
1200	0.01	0.05	113.65	102.23	1.01	1.00	1.02	1.00	1.01	1.02
1400	0.02	0.05	109.57	103.23	1.01	1.01	1.02	1.00	1.01	1.03
1600	0.02	0.06	107.03	103.80	1.01	1.01	1.03	1.01	1.00	1.03
1800	0.02	0.06	102.75	103.81	1.01	1.02	1.04	1.02	1.01	1.04
2000	0.03	0.06	97.66	98.82	1.02	1.02	1.05	1.01	1.02	1.04
2200	0.03	0.07	104.18	101.49	1.03	1.02	1.05	1.01	1.02	1.05
2400	0.03	0.07	109.05	98.05	1.03	1.03	1.05	1.03	1.03	1.06
2600	0.03	0.08	99.34	99.83	1.03	1.04	1.07	1.04	1.04	1.06
2800	0.03	0.08	112.58	100.46	1.05	1.05	1.08	1.04	1.05	1.07
3000	0.04	0.08	105.02	100.75	1.06	1.05	1.08	1.04	1.05	1.07
3200	0.04	0.09	102.57	102.36	1.07	1.06	1.08	1.06	1.06	1.08
3400	0.05	0.10	108.69	111.88	1.08	1.08	1.10	1.09	1.08	1.09
3600	0.05	0.10	105.09	108.11	1.09	1.10	1.11	1.08	1.10	1.09
4000	0.06	0.11	97.42	95.32	1.13	1.11	1.11	1.12	1.11	1.10
4500	0.08	0.12	99.71	101.22	1.17	1.16	1.14	1.13	1.16	1.11
5000	0.09	0.15	94.23	99.61	1.17	1.18	1.13	1.18	1.17	1.13
5500	0.10	0.15	102.91	94.28	1.21	1.19	1.15	1.18	1.19	1.12
6000	0.10	0.16	98.75	96.86	1.20	1.19	1.13	1.20	1.19	1.14
6500	0.11	0.17	98.05	99.51	1.18	1.18	1.12	1.19	1.18	1.13
7000	0.11	0.18	99.76	93.51	1.18	1.17	1.11	1.17	1.17	1.11
7500	0.12	0.18	95.18	100.18	1.14	1.16	1.08	1.17	1.16	1.10
8000	0.12	0.17	97.38	99.68	1.16	1.17	1.09	1.13	1.18	1.09
8500	0.12	0.19	96.04	96.46	1.11	1.13	1.07	1.15	1.12	1.09
9000	0.12	0.19	90.72	92.14	1.09	1.11	1.07	1.09	1.11	1.07
9500	0.12	0.18	97.14	92.87	1.08	1.08	1.08	1.07	1.06	1.07
10000	0.13	0.19	93.08	89.62	1.03	1.08	1.07	1.07	1.08	1.07
12000	0.16	0.24	93.32	86.87	1.14	1.15	1.15	1.10	1.14	1.11
13000	0.18	0.27	87.24	87.98	1.17	1.16	1.21	1.12	1.16	1.15
14000	0.18	0.29	84.70	85.74	1.10	1.13	1.26	1.10	1.12	1.19
15000	0.18	0.31	82.39	82.93	1.02	1.07	1.26	1.09	1.06	1.20
16000	0.18	0.34	81.36	79.86	1.04	1.07	1.22	1.07	1.09	1.19
17000	0.17	0.34	78.55	80.54	1.08	1.05	1.27	1.10	1.11	1.21
18000	0.17	0.38	77.29	78.02	1.23	1.19	1.35	1.17	1.22	1.22



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Xtra Long Life USB RF SPDT Switch B

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Typical Performance Data

TEST CONDITIONS: @Temperature = +45degC

FREQUENCY (MHz)	INSERTION LOSS ON (dB)		ISOLATION OFF (dB)		VSWR IN (:1)		VSWR ENERGIZED (:1)		VSWR DE-ENERGIZED (:1)	
	COM-1	COM-2	COM-1	COM-2	ON	OFF	1	2	1	2
	10	0.03	0.01	92.00	96.48	1.01	1.00	1.00	1.01	1.01
20	0.01	0.01	93.10	85.54	1.00	1.00	1.00	1.00	1.00	1.01
30	0.02	0.02	87.10	86.10	1.00	1.00	1.00	1.00	1.00	1.01
40	0.02	0.02	87.44	87.32	1.00	1.00	1.00	1.00	1.00	1.01
50	0.01	0.01	85.52	89.13	1.00	1.00	1.00	1.00	1.00	1.01
60	0.00	0.01	90.49	86.10	1.00	1.00	1.00	1.00	1.00	1.01
70	0.01	0.01	90.31	94.05	1.00	1.01	1.00	1.01	1.01	1.01
80	0.01	0.01	93.43	86.17	1.01	1.01	1.00	1.01	1.01	1.01
90	0.01	0.01	94.17	86.73	1.01	1.01	1.01	1.01	1.01	1.01
100	0.01	0.01	91.90	89.83	1.01	1.01	1.01	1.01	1.01	1.01
200	0.01	0.01	98.26	103.68	1.00	1.00	1.01	1.01	1.00	1.01
300	0.01	0.02	116.76	95.71	1.01	1.01	1.00	1.00	1.01	1.01
400	0.02	0.03	99.93	105.84	1.01	1.01	1.00	1.01	1.01	1.01
500	0.02	0.03	106.09	102.44	1.01	1.01	1.01	1.01	1.01	1.01
600	0.03	0.03	112.09	103.42	1.01	1.01	1.01	1.01	1.01	1.01
700	0.03	0.03	109.00	104.63	1.01	1.01	1.01	1.01	1.01	1.01
800	0.03	0.04	108.70	102.11	1.01	1.01	1.01	1.01	1.01	1.01
900	0.03	0.04	100.99	97.92	1.01	1.01	1.01	1.01	1.01	1.02
1000	0.04	0.04	100.51	103.60	1.01	1.01	1.02	1.01	1.01	1.02
1200	0.04	0.04	106.98	101.11	1.01	1.01	1.02	1.00	1.01	1.02
1400	0.05	0.05	102.33	112.25	1.01	1.01	1.03	1.00	1.01	1.03
1600	0.05	0.05	105.28	100.38	1.01	1.00	1.04	1.01	1.01	1.03
1800	0.05	0.05	98.73	107.35	1.01	1.01	1.04	1.01	1.01	1.04
2000	0.06	0.06	115.46	117.46	1.02	1.01	1.05	1.02	1.01	1.04
2200	0.06	0.06	103.28	108.02	1.03	1.01	1.06	1.01	1.01	1.05
2400	0.07	0.07	101.81	102.85	1.03	1.03	1.06	1.03	1.03	1.06
2600	0.07	0.07	103.07	96.44	1.03	1.04	1.07	1.04	1.04	1.06
2800	0.07	0.07	105.69	102.56	1.04	1.03	1.08	1.04	1.04	1.07
3000	0.07	0.08	98.32	99.97	1.05	1.04	1.09	1.04	1.05	1.08
3200	0.08	0.08	93.90	99.83	1.06	1.07	1.09	1.06	1.07	1.08
3400	0.09	0.09	109.17	105.95	1.07	1.09	1.11	1.08	1.09	1.09
3600	0.09	0.09	95.19	113.30	1.09	1.08	1.11	1.07	1.09	1.09
4000	0.10	0.10	99.68	98.18	1.12	1.13	1.12	1.11	1.14	1.11
4500	0.11	0.11	101.53	99.11	1.15	1.14	1.12	1.12	1.15	1.11
5000	0.14	0.13	99.42	101.94	1.16	1.20	1.14	1.17	1.20	1.13
5500	0.14	0.14	100.62	95.58	1.20	1.19	1.13	1.16	1.20	1.12
6000	0.15	0.15	94.60	100.65	1.18	1.20	1.13	1.18	1.20	1.13
6500	0.15	0.15	98.83	97.47	1.15	1.18	1.11	1.17	1.18	1.12
7000	0.15	0.15	96.84	95.86	1.16	1.14	1.10	1.15	1.15	1.11
7500	0.16	0.16	99.59	95.52	1.10	1.15	1.08	1.14	1.14	1.10
8000	0.15	0.16	100.42	100.22	1.12	1.09	1.07	1.11	1.10	1.08
8500	0.17	0.17	95.86	97.28	1.08	1.10	1.08	1.11	1.09	1.09
9000	0.17	0.18	99.29	91.93	1.06	1.10	1.07	1.07	1.07	1.08
9500	0.17	0.18	92.32	94.80	1.08	1.04	1.06	1.03	1.04	1.08
10000	0.18	0.19	100.99	93.19	1.03	1.10	1.07	1.06	1.08	1.09
12000	0.23	0.25	88.28	90.17	1.19	1.18	1.18	1.15	1.19	1.15
13000	0.26	0.28	89.01	88.66	1.23	1.23	1.26	1.18	1.23	1.21
14000	0.26	0.28	86.21	87.49	1.12	1.18	1.29	1.15	1.16	1.25
15000	0.26	0.28	84.10	86.03	1.01	1.11	1.25	1.10	1.09	1.23
16000	0.28	0.32	81.63	84.68	1.04	1.08	1.21	1.08	1.08	1.18
17000	0.27	0.32	80.37	84.83	1.05	1.07	1.30	1.11	1.11	1.20
18000	0.30	0.35	79.19	82.41	1.24	1.14	1.37	1.15	1.18	1.22



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