



Efficiency Through Technology

**RELIABILITY REPORT
2021**

KXOB and SM product

Jun 2021

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Temperature Cycle

Failure modes: Thermal fatigue of silicon-metal and metal-metal interfaces due to heating and cooling, causing thermal and electrical performance degradation.

Humidity Test

Failure Modes: Degradation of electrical leakage characteristics due to moisture penetration into plastic packages.

UV Test

Failure Modes: Degradation of encapsulation material integrity due to high energy UV irradiation, causing electrical performance degradation and encapsulation material delamination.

Weather Test

Failure Modes: Sequential degradation of electrical leakage characteristics and encapsulation material integrity due to the weather condition combined with sequential humidity and UV tests, causing electrical performance degradation and encapsulation material delamination.

Summary of Tables: Temperature Cycle

	Table 1 KXOB & SM discrete device
Total Lots Tested	88
Total Devices Tested	1760
Total Failures	0
Total Device Cycles	887,040

Summary of Tables: Humidity Test

	Table 2 KXOB & SM discrete device
Total Lots Tested	88
Total Devices Tested	1760
Total Failures	0
Total Device Hours	1,760,000

Summary of Tables: UV Test

	Table 3 KXOB & SM discrete device
Total Lots Tested	88
Total Devices Tested	1760
Total Failures	0
Total Device Hours	264,000

Summary of Tables: Weather Test

	Table 4 KXOB & SM discrete device
Total Lots Tested	88
Total Devices Tested	1760
Total Failures	0
Total Device Hours Humidity	105,600
Total Device Hours UV A+B	264,000

TEMPERATURE CYCLE

TABLE 1: KXOB & SM STANDARD PRODUCTS

#	Part Number	Test #	Low Temp. [°C]	High Temp. [°C]	Number of Cycles	Sample Size	Failures	Device Cycles	Remark
1	KXOB25-14X1F	2001	-40	90	504	20	0	10,080	
2	KXOB25-05X3F	2002	-40	90	504	20	0	10,080	
3	KXOB25-02X8F	2003	-40	90	504	20	0	10,080	
4	KXOB25-03X4F	2004	-40	90	504	20	0	10,080	
5	KXOB061K08F	2005	-40	90	504	20	0	10,080	
6	KXOB081K06F	2006	-40	90	504	20	0	10,080	
7	KXOB121K04F	2007	-40	90	504	20	0	10,080	
8	KXOB101K08F	2008	-40	90	504	20	0	10,080	
9	KXOB141K06F	2009	-40	90	504	20	0	10,080	
10	KXOB201K04F	2010	-40	90	504	20	0	10,080	
11	SM101K07L	2011	-40	90	504	20	0	10,080	
12	SM101K09L	2012	-40	90	504	20	0	10,080	
13	SM101K12L	2013	-40	90	504	20	0	10,080	
14	SM141K04L	2014	-40	90	504	20	0	10,080	
15	SM141K04LV	2015	-40	90	504	20	0	10,080	
16	SM141K05L	2016	-40	90	504	20	0	10,080	
17	SM141K06L	2017	-40	90	504	20	0	10,080	
18	SM141K06LV	2018	-40	90	504	20	0	10,080	
19	SM141K07L	2019	-40	90	504	20	0	10,080	
20	SM141K08L	2020	-40	90	504	20	0	10,080	
21	SM141K08LV	2021	-40	90	504	20	0	10,080	
22	SM141K09L	2022	-40	90	504	20	0	10,080	
23	SM141K10L	2023	-40	90	504	20	0	10,080	
24	SM141K10LV	2024	-40	90	504	20	0	10,080	
25	SM262K10L	2025	-40	90	504	20	0	10,080	
26	SM351K09L	2026	-40	90	504	20	0	10,080	
27	SM400K10L	2027	-40	90	504	20	0	10,080	
28	SM500K12L	2028	-40	90	504	20	0	10,080	
29	SM531K08L	2029	-40	90	504	20	0	10,080	
30	SM531K10L	2030	-40	90	504	20	0	10,080	
31	SM531K12L	2031	-40	90	504	20	0	10,080	
32	SM700K10L	2032	-40	90	504	20	0	10,080	
33	SM730K12L	2033	-40	90	504	20	0	10,080	
34	SM850K12L	2034	-40	90	504	20	0	10,080	
35	SM261K05L	2035	-40	90	504	20	0	10,080	
36	SM261K10L	2036	-40	90	504	20	0	10,080	
37	SM401K08L	2037	-40	90	504	20	0	10,080	
38	SM811K04L	2038	-40	90	504	20	0	10,080	
39	SM102K06L	2039	-40	90	504	20	0	10,080	
40	SM641K10L	2040	-40	90	504	20	0	10,080	
41	SM811K08L	2041	-40	90	504	20	0	10,080	
42	SM182K01L	2042	-40	90	504	20	0	10,080	
43	SM281K07L	2043	-40	90	504	20	0	10,080	
44	SM881K04L	2044	-40	90	504	20	0	10,080	

TEMPERATURE CYCLE

TABLE 1: KXOB & SM THIN PRODUCTS

#	Part Number	Test #	Low Temp. [°C]	High Temp. [°C]	Number of Cycles	Sample Size	Failures	Device Cycles	Remark
1	KXOB25-14X1TF	2001	-40	90	504	20	0	10,080	
2	KXOB25-05X3TF	2002	-40	90	504	20	0	10,080	
3	KXOB25-02X8TF	2003	-40	90	504	20	0	10,080	
4	KXOB25-03X4TF	2004	-40	90	504	20	0	10,080	
5	KXOB061K08TF	2005	-40	90	504	20	0	10,080	
6	KXOB081K06TF	2006	-40	90	504	20	0	10,080	
7	KXOB121K04TF	2007	-40	90	504	20	0	10,080	
8	KXOB101K08TF	2008	-40	90	504	20	0	10,080	
9	KXOB141K06TF	2009	-40	90	504	20	0	10,080	
10	KXOB201K04TF	2010	-40	90	504	20	0	10,080	
11	SM101K07TF	2011	-40	90	504	20	0	10,080	
12	SM101K09TF	2012	-40	90	504	20	0	10,080	
13	SM101K12TF	2013	-40	90	504	20	0	10,080	
14	SM141K04TF	2014	-40	90	504	20	0	10,080	
15	SM141K04TFV	2015	-40	90	504	20	0	10,080	
16	SM141K05TF	2016	-40	90	504	20	0	10,080	
17	SM141K06TF	2017	-40	90	504	20	0	10,080	
18	SM141K06TFV	2018	-40	90	504	20	0	10,080	
19	SM141K07TF	2019	-40	90	504	20	0	10,080	
20	SM141K08TF	2020	-40	90	504	20	0	10,080	
21	SM141K08TFV	2021	-40	90	504	20	0	10,080	
22	SM141K09TF	2022	-40	90	504	20	0	10,080	
23	SM141K10TF	2023	-40	90	504	20	0	10,080	
24	SM141K10TFV	2024	-40	90	504	20	0	10,080	
25	SM262K10TF	2025	-40	90	504	20	0	10,080	
26	SM351K09TF	2026	-40	90	504	20	0	10,080	
27	SM400K10TF	2027	-40	90	504	20	0	10,080	
28	SM500K12TF	2028	-40	90	504	20	0	10,080	
29	SM531K08TF	2029	-40	90	504	20	0	10,080	
30	SM531K10TF	2030	-40	90	504	20	0	10,080	
31	SM531K12TF	2031	-40	90	504	20	0	10,080	
32	SM700K10TF	2032	-40	90	504	20	0	10,080	
33	SM730K12TF	2033	-40	90	504	20	0	10,080	
34	SM850K12TF	2034	-40	90	504	20	0	10,080	
35	SM261K05TF	2035	-40	90	504	20	0	10,080	
36	SM261K10TF	2036	-40	90	504	20	0	10,080	
37	SM401K08TF	2037	-40	90	504	20	0	10,080	
38	SM811K04TF	2038	-40	90	504	20	0	10,080	
39	SM102K06TF	2039	-40	90	504	20	0	10,080	
40	SM641K10TF	2040	-40	90	504	20	0	10,080	
41	SM811K08TF	2041	-40	90	504	20	0	10,080	
42	SM182K01TF	2042	-40	90	504	20	0	10,080	
43	SM281K07TF	2043	-40	90	504	20	0	10,080	
44	SM881K04TF	2044	-40	90	504	20	0	10,080	

HUMIDITY TEST

TABLE 2: KXOB & SM STANDARD PRODUCTS

#	Part Number	Test #	Temp. [°C]	Rel. H. [%]	Time [hrs]	Sample Size	Failures	Device Hours [hrs]	Remark
1	KXOB25-14X1F	2001	85	85	1000	20	0	20000	
2	KXOB25-05X3F	2002	85	85	1000	20	0	20000	
3	KXOB25-02X8F	2003	85	85	1000	20	0	20000	
4	KXOB25-03X4F	2004	85	85	1000	20	0	20000	
5	KXOB061K08F	2005	85	85	1000	20	0	20000	
6	KXOB081K06F	2006	85	85	1000	20	0	20000	
7	KXOB121K04F	2007	85	85	1000	20	0	20000	
8	KXOB101K08F	2008	85	85	1000	20	0	20000	
9	KXOB141K06F	2009	85	85	1000	20	0	20000	
10	KXOB201K04F	2010	85	85	1000	20	0	20000	
11	SM101K07L	2011	85	85	1000	20	0	20000	
12	SM101K09L	2012	85	85	1000	20	0	20000	
13	SM101K12L	2013	85	85	1000	20	0	20000	
14	SM141K04L	2014	85	85	1000	20	0	20000	
15	SM141K04LV	2015	85	85	1000	20	0	20000	
16	SM141K05L	2016	85	85	1000	20	0	20000	
17	SM141K06L	2017	85	85	1000	20	0	20000	
18	SM141K06LV	2018	85	85	1000	20	0	20000	
19	SM141K07L	2019	85	85	1000	20	0	20000	
20	SM141K08L	2020	85	85	1000	20	0	20000	
21	SM141K08LV	2021	85	85	1000	20	0	20000	
22	SM141K09L	2022	85	85	1000	20	0	20000	
23	SM141K10L	2023	85	85	1000	20	0	20000	
24	SM141K10LV	2024	85	85	1000	20	0	20000	
25	SM262K10L	2025	85	85	1000	20	0	20000	
26	SM351K09L	2026	85	85	1000	20	0	20000	
27	SM400K10L	2027	85	85	1000	20	0	20000	
28	SM500K12L	2028	85	85	1000	20	0	20000	
29	SM531K08L	2029	85	85	1000	20	0	20000	
30	SM531K10L	2030	85	85	1000	20	0	20000	
31	SM531K12L	2031	85	85	1000	20	0	20000	
32	SM700K10L	2032	85	85	1000	20	0	20000	
33	SM730K12L	2033	85	85	1000	20	0	20000	
34	SM850K12L	2034	85	85	1000	20	0	20000	
35	SM261K05L	2035	85	85	1000	20	0	20000	
36	SM261K10L	2036	85	85	1000	20	0	20000	
37	SM401K08L	2037	85	85	1000	20	0	20000	
38	SM811K04L	2038	85	85	1000	20	0	20000	
39	SM102K06L	2039	85	85	1000	20	0	20000	
40	SM641K10L	2040	85	85	1000	20	0	20000	
41	SM811K08L	2041	85	85	1000	20	0	20000	
42	SM182K01L	2042	85	85	1000	20	0	20000	
43	SM281K07L	2043	85	85	1000	20	0	20000	
44	SM881K04L	2044	85	85	1000	20	0	20000	

HUMIDITY TEST

TABLE 2: KXOB & SM THIN PRODUCTS									
#	Part Number	Test #	Temp. [°C]	Rel. H. [%]	Time [hrs]	Sample Size	Failures	Device Hours [hrs]	Remark
1	KXOB25-14X1TF	2001	85	85	1000	20	0	20000	
2	KXOB25-05X3TF	2002	85	85	1000	20	0	20000	
3	KXOB25-02X8TF	2003	85	85	1000	20	0	20000	
4	KXOB25-03X4TF	2004	85	85	1000	20	0	20000	
5	KXOB061K08TF	2005	85	85	1000	20	0	20000	
6	KXOB081K06TF	2006	85	85	1000	20	0	20000	
7	KXOB121K04TF	2007	85	85	1000	20	0	20000	
8	KXOB101K08TF	2008	85	85	1000	20	0	20000	
9	KXOB141K06TF	2009	85	85	1000	20	0	20000	
10	KXOB201K04TF	2010	85	85	1000	20	0	20000	
11	SM101K07TF	2011	85	85	1000	20	0	20000	
12	SM101K09TF	2012	85	85	1000	20	0	20000	
13	SM101K12TF	2013	85	85	1000	20	0	20000	
14	SM141K04TF	2014	85	85	1000	20	0	20000	
15	SM141K04TFV	2015	85	85	1000	20	0	20000	
16	SM141K05TF	2016	85	85	1000	20	0	20000	
17	SM141K06TF	2017	85	85	1000	20	0	20000	
18	SM141K06TFV	2018	85	85	1000	20	0	20000	
19	SM141K07TF	2019	85	85	1000	20	0	20000	
20	SM141K08TF	2020	85	85	1000	20	0	20000	
21	SM141K08TFV	2021	85	85	1000	20	0	20000	
22	SM141K09TF	2022	85	85	1000	20	0	20000	
23	SM141K10TF	2023	85	85	1000	20	0	20000	
24	SM141K10TFV	2024	85	85	1000	20	0	20000	
25	SM262K10TF	2025	85	85	1000	20	0	20000	
26	SM351K09TF	2026	85	85	1000	20	0	20000	
27	SM400K10TF	2027	85	85	1000	20	0	20000	
28	SM500K12TF	2028	85	85	1000	20	0	20000	
29	SM531K08TF	2029	85	85	1000	20	0	20000	
30	SM531K10TF	2030	85	85	1000	20	0	20000	
31	SM531K12TF	2031	85	85	1000	20	0	20000	
32	SM700K10TF	2032	85	85	1000	20	0	20000	
33	SM730K12TF	2033	85	85	1000	20	0	20000	
34	SM850K12TF	2034	85	85	1000	20	0	20000	
35	SM261K05TF	2035	85	85	1000	20	0	20000	
36	SM261K10TF	2036	85	85	1000	20	0	20000	
37	SM401K08TF	2037	85	85	1000	20	0	20000	
38	SM811K04TF	2038	85	85	1000	20	0	20000	
39	SM102K06TF	2039	85	85	1000	20	0	20000	
40	SM641K10TF	2040	85	85	1000	20	0	20000	
41	SM811K08TF	2041	85	85	1000	20	0	20000	
42	SM182K01TF	2042	85	85	1000	20	0	20000	
43	SM281K07TF	2043	85	85	1000	20	0	20000	
44	SM881K04TF	2044	85	85	1000	20	0	20000	

UV TEST

TABLE 3: KXOB & SM STANDARD PRODUCTS									
#	Part Number	Test #	Temp. [°C]	UV A+B [mW/cm2]	Time [hrs]	Sample Size	Failures	Device Hours [hrs]	Remark
1	KXOB25-14X1F	2001	85	60	150	20	0	3000	
2	KXOB25-05X3F	2002	85	60	150	20	0	3000	
3	KXOB25-02X8F	2003	85	60	150	20	0	3000	
4	KXOB25-03X4F	2004	85	60	150	20	0	3000	
5	KXOB061K08F	2005	85	60	150	20	0	3000	
6	KXOB081K06F	2006	85	60	150	20	0	3000	
7	KXOB121K04F	2007	85	60	150	20	0	3000	
8	KXOB101K08F	2008	85	60	150	20	0	3000	
9	KXOB141K06F	2009	85	60	150	20	0	3000	
10	KXOB201K04F	2010	85	60	150	20	0	3000	
11	SM101K07L	2011	85	60	150	20	0	3000	
12	SM101K09L	2012	85	60	150	20	0	3000	
13	SM101K12L	2013	85	60	150	20	0	3000	
14	SM141K04L	2014	85	60	150	20	0	3000	
15	SM141K04LV	2015	85	60	150	20	0	3000	
16	SM141K05L	2016	85	60	150	20	0	3000	
17	SM141K06L	2017	85	60	150	20	0	3000	
18	SM141K06LV	2018	85	60	150	20	0	3000	
19	SM141K07L	2019	85	60	150	20	0	3000	
20	SM141K08L	2020	85	60	150	20	0	3000	
21	SM141K08LV	2021	85	60	150	20	0	3000	
22	SM141K09L	2022	85	60	150	20	0	3000	
23	SM141K10L	2023	85	60	150	20	0	3000	
24	SM141K10LV	2024	85	60	150	20	0	3000	
25	SM262K10L	2025	85	60	150	20	0	3000	
26	SM351K09L	2026	85	60	150	20	0	3000	
27	SM400K10L	2027	85	60	150	20	0	3000	
28	SM500K12L	2028	85	60	150	20	0	3000	
29	SM531K08L	2029	85	60	150	20	0	3000	
30	SM531K10L	2030	85	60	150	20	0	3000	
31	SM531K12L	2031	85	60	150	20	0	3000	
32	SM700K10L	2032	85	60	150	20	0	3000	
33	SM730K12L	2033	85	60	150	20	0	3000	
34	SM850K12L	2034	85	60	150	20	0	3000	
35	SM261K05L	2035	85	60	150	20	0	3000	
36	SM261K10L	2036	85	60	150	20	0	3000	
37	SM401K08L	2037	85	60	150	20	0	3000	
38	SM811K04L	2038	85	60	150	20	0	3000	
39	SM102K06L	2039	85	60	150	20	0	3000	
40	SM641K10L	2040	85	60	150	20	0	3000	
41	SM811K08L	2041	85	60	150	20	0	3000	
42	SM182K01L	2042	85	60	150	20	0	3000	
43	SM281K07L	2043	85	60	150	20	0	3000	
44	SM881K04L	2044	85	60	150	20	0	3000	

UV TEST

TABLE 3: KXOB & SM THIN PRODUCTS

#	Part Number	Test #	Temp. [°C]	UV A+B [mW/cm ²]	Time [hrs]	Sample Size	Failures	Device Hours [hrs]	Remark
1	KXOB25-14X1TF	2001	85	60	150	20	0	3000	
2	KXOB25-05X3TF	2002	85	60	150	20	0	3000	
3	KXOB25-02X8TF	2003	85	60	150	20	0	3000	
4	KXOB25-03X4TF	2004	85	60	150	20	0	3000	
5	KXOB061K08TF	2005	85	60	150	20	0	3000	
6	KXOB081K06TF	2006	85	60	150	20	0	3000	
7	KXOB121K04TF	2007	85	60	150	20	0	3000	
8	KXOB101K08TF	2008	85	60	150	20	0	3000	
9	KXOB141K06TF	2009	85	60	150	20	0	3000	
10	KXOB201K04TF	2010	85	60	150	20	0	3000	
11	SM101K07TF	2011	85	60	150	20	0	3000	
12	SM101K09TF	2012	85	60	150	20	0	3000	
13	SM101K12TF	2013	85	60	150	20	0	3000	
14	SM141K04TF	2014	85	60	150	20	0	3000	
15	SM141K04TFV	2015	85	60	150	20	0	3000	
16	SM141K05TF	2016	85	60	150	20	0	3000	
17	SM141K06TF	2017	85	60	150	20	0	3000	
18	SM141K06TFV	2018	85	60	150	20	0	3000	
19	SM141K07TF	2019	85	60	150	20	0	3000	
20	SM141K08TF	2020	85	60	150	20	0	3000	
21	SM141K08TFV	2021	85	60	150	20	0	3000	
22	SM141K09TF	2022	85	60	150	20	0	3000	
23	SM141K10TF	2023	85	60	150	20	0	3000	
24	SM141K10TFV	2024	85	60	150	20	0	3000	
25	SM262K10TF	2025	85	60	150	20	0	3000	
26	SM351K09TF	2026	85	60	150	20	0	3000	
27	SM400K10TF	2027	85	60	150	20	0	3000	
28	SM500K12TF	2028	85	60	150	20	0	3000	
29	SM531K08TF	2029	85	60	150	20	0	3000	
30	SM531K10TF	2030	85	60	150	20	0	3000	
31	SM531K12TF	2031	85	60	150	20	0	3000	
32	SM700K10TF	2032	85	60	150	20	0	3000	
33	SM730K12TF	2033	85	60	150	20	0	3000	
34	SM850K12TF	2034	85	60	150	20	0	3000	
35	SM261K05TF	2035	85	60	150	20	0	3000	
36	SM261K10TF	2036	85	60	150	20	0	3000	
37	SM401K08TF	2037	85	60	150	20	0	3000	
38	SM811K04TF	2038	85	60	150	20	0	3000	
39	SM102K06TF	2039	85	60	150	20	0	3000	
40	SM641K10TF	2040	85	60	150	20	0	3000	
41	SM811K08TF	2041	85	60	150	20	0	3000	
42	SM182K01TF	2042	85	60	150	20	0	3000	
43	SM281K07TF	2043	85	60	150	20	0	3000	
44	SM881K04TF	2044	85	60	150	20	0	3000	

Weather TEST

TABLE 4: KXOB & SM STANDARD PRODUCTS

#	Part Number	Test #	Temp. [°C]	Rel. H. [%]	Humidity Time [hrs]	UV A+B [mW/cm]	UV A+B Time [hrs]	Sample Size	Failures	Humidity D.Hs [hrs]	UV A+B D.Hs [hrs]	Remark
1	KXOB25-14X1F	2001	85	85	60	60	150	20	0	1200	3000	
2	KXOB25-05X3F	2002	85	85	60	60	150	20	0	1200	3000	
3	KXOB25-02X8F	2003	85	85	60	60	150	20	0	1200	3000	
4	KXOB25-03X4F	2004	85	85	60	60	150	20	0	1200	3000	
5	KXOB061K08F	2005	85	85	60	60	150	20	0	1200	3000	
6	KXOB081K06F	2006	85	85	60	60	150	20	0	1200	3000	
7	KXOB121K04F	2007	85	85	60	60	150	20	0	1200	3000	
8	KXOB101K08F	2008	85	85	60	60	150	20	0	1200	3000	
9	KXOB141K06F	2009	85	85	60	60	150	20	0	1200	3000	
10	KXOB201K04F	2010	85	85	60	60	150	20	0	1200	3000	
11	SM101K07L	2011	85	85	60	60	150	20	0	1200	3000	
12	SM101K09L	2012	85	85	60	60	150	20	0	1200	3000	
13	SM101K12L	2013	85	85	60	60	150	20	0	1200	3000	
14	SM141K04L	2014	85	85	60	60	150	20	0	1200	3000	
15	SM141K04LV	2015	85	85	60	60	150	20	0	1200	3000	
16	SM141K05L	2016	85	85	60	60	150	20	0	1200	3000	
17	SM141K06L	2017	85	85	60	60	150	20	0	1200	3000	
18	SM141K06LV	2018	85	85	60	60	150	20	0	1200	3000	
19	SM141K07L	2019	85	85	60	60	150	20	0	1200	3000	
20	SM141K08L	2020	85	85	60	60	150	20	0	1200	3000	
21	SM141K08LV	2021	85	85	60	60	150	20	0	1200	3000	
22	SM141K09L	2022	85	85	60	60	150	20	0	1200	3000	
23	SM141K10L	2023	85	85	60	60	150	20	0	1200	3000	
24	SM141K10LV	2024	85	85	60	60	150	20	0	1200	3000	
25	SM262K10L	2025	85	85	60	60	150	20	0	1200	3000	
26	SM351K09L	2026	85	85	60	60	150	20	0	1200	3000	
27	SM400K10L	2027	85	85	60	60	150	20	0	1200	3000	
28	SM500K12L	2028	85	85	60	60	150	20	0	1200	3000	
29	SM531K08L	2029	85	85	60	60	150	20	0	1200	3000	
30	SM531K10L	2030	85	85	60	60	150	20	0	1200	3000	
31	SM531K12L	2031	85	85	60	60	150	20	0	1200	3000	
32	SM700K10L	2032	85	85	60	60	150	20	0	1200	3000	
33	SM730K12L	2033	85	85	60	60	150	20	0	1200	3000	
34	SM850K12L	2034	85	85	60	60	150	20	0	1200	3000	
35	SM261K05L	2035	85	85	60	60	150	20	0	1200	3000	
36	SM261K10L	2036	85	85	60	60	150	20	0	1200	3000	
37	SM401K08L	2037	85	85	60	60	150	20	0	1200	3000	
38	SM811K04L	2038	85	85	60	60	150	20	0	1200	3000	
39	SM102K06L	2039	85	85	60	60	150	20	0	1200	3000	
40	SM641K10L	2040	85	85	60	60	150	20	0	1200	3000	
41	SM811K08L	2041	85	85	60	60	150	20	0	1200	3000	
42	SM182K01L	2042	85	85	60	60	150	20	0	1200	3000	
43	SM281K07L	2043	85	85	60	60	150	20	0	1200	3000	
44	SM881K04L	2044	85	85	60	60	150	20	0	1200	3000	

Weather TEST

TABLE 4: KXOB & SM THIN PRODUCTS

#	Part Number	Test #	Temp. [°C]	Rel. H. [%]	Humidity Time [hrs]	UV A+B [mW/cm]	UV A+B Time [hrs]	Sample Size	Failures	Humidity D.Hs [hrs]	UV A+B D.Hs [hrs]	Remark
1	KXOB25-14X1TF	2001	85	85	60	60	150	20	0	1200	3000	
2	KXOB25-05X3TF	2002	85	85	60	60	150	20	0	1200	3000	
3	KXOB25-02X8TF	2003	85	85	60	60	150	20	0	1200	3000	
4	KXOB25-03X4TF	2004	85	85	60	60	150	20	0	1200	3000	
5	KXOB061K08TF	2005	85	85	60	60	150	20	0	1200	3000	
6	KXOB081K06TF	2006	85	85	60	60	150	20	0	1200	3000	
7	KXOB121K04TF	2007	85	85	60	60	150	20	0	1200	3000	
8	KXOB101K08TF	2008	85	85	60	60	150	20	0	1200	3000	
9	KXOB141K06TF	2009	85	85	60	60	150	20	0	1200	3000	
10	KXOB201K04TF	2010	85	85	60	60	150	20	0	1200	3000	
11	SM101K07TF	2011	85	85	60	60	150	20	0	1200	3000	
12	SM101K09TF	2012	85	85	60	60	150	20	0	1200	3000	
13	SM101K12TF	2013	85	85	60	60	150	20	0	1200	3000	
14	SM141K04TF	2014	85	85	60	60	150	20	0	1200	3000	
15	SM141K04TFV	2015	85	85	60	60	150	20	0	1200	3000	
16	SM141K05TF	2016	85	85	60	60	150	20	0	1200	3000	
17	SM141K06TF	2017	85	85	60	60	150	20	0	1200	3000	
18	SM141K06TFV	2018	85	85	60	60	150	20	0	1200	3000	
19	SM141K07TF	2019	85	85	60	60	150	20	0	1200	3000	
20	SM141K08TF	2020	85	85	60	60	150	20	0	1200	3000	
21	SM141K08TFV	2021	85	85	60	60	150	20	0	1200	3000	
22	SM141K09TF	2022	85	85	60	60	150	20	0	1200	3000	
23	SM141K10TF	2023	85	85	60	60	150	20	0	1200	3000	
24	SM141K10TFV	2024	85	85	60	60	150	20	0	1200	3000	
25	SM262K10TF	2025	85	85	60	60	150	20	0	1200	3000	
26	SM351K09TF	2026	85	85	60	60	150	20	0	1200	3000	
27	SM400K10TF	2027	85	85	60	60	150	20	0	1200	3000	
28	SM500K12TF	2028	85	85	60	60	150	20	0	1200	3000	
29	SM531K08TF	2029	85	85	60	60	150	20	0	1200	3000	
30	SM531K10TF	2030	85	85	60	60	150	20	0	1200	3000	
31	SM531K12TF	2031	85	85	60	60	150	20	0	1200	3000	
32	SM700K10TF	2032	85	85	60	60	150	20	0	1200	3000	
33	SM730K12TF	2033	85	85	60	60	150	20	0	1200	3000	
34	SM850K12TF	2034	85	85	60	60	150	20	0	1200	3000	
35	SM261K05TF	2035	85	85	60	60	150	20	0	1200	3000	
36	SM261K10TF	2036	85	85	60	60	150	20	0	1200	3000	
37	SM401K08TF	2037	85	85	60	60	150	20	0	1200	3000	
38	SM811K04TF	2038	85	85	60	60	150	20	0	1200	3000	
39	SM102K06TF	2039	85	85	60	60	150	20	0	1200	3000	
40	SM641K10TF	2040	85	85	60	60	150	20	0	1200	3000	
41	SM811K08TF	2041	85	85	60	60	150	20	0	1200	3000	
42	SM182K01TF	2042	85	85	60	60	150	20	0	1200	3000	
43	SM281K07TF	2043	85	85	60	60	150	20	0	1200	3000	
44	SM881K04TF	2044	85	85	60	60	150	20	0	1200	3000	