9

Life Test Data – Paper (2x.66 mil) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 3-22-73

Temp, °C	R.T.	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Voltage	600	870	870	870	870	870	870	870	870	870	870	900	930	960
Time, hrs	0	139	307	475	715	883	1051	1196	1364	1554	1698	158	168	168

1X treated 26.3% H230L (Dist) (New spl. from Chac. Bayou), 48.7% dist. Santisol 100, 25.0% TXS (P.P. Ba#4, dist. & Na_2CO_3 Treated) +0.3% Unox 221 (Fr#2, 1-15-73) (Imp. 3-16-73)

Capacitors

#1	.00345	.00340	.00329	.00336	.00321	.00327	.00310	.00308	.00309	.00308	.00305	.00308	.00308	.00312
(ufd)	1.962	1.860	1.860	1.860	1.860	1.858	1.858	1.860	1.861	1.862	1.863	1.861	1.860	1.861
#2	.00346	.00332	.00328	.00325	.00329	.00324	.00322	.00317	.00316	.00319	.00314	.00319	.00321	.00329
(ufd)	1.974	1.868	1.868	1.868	1.868	1.867	1.868	1.870	1.870	1.872	1.872	1.870	1.869	1.870
#3	.00346	.00337	.00330	.00325	.00322	.00321	.00329	.00319	.00319	.00319	.00319	.00325	.00329	.00338
(ufd)	1.970	1.863	1.863	1.864	1.864	1.862	1.863	1.865	1.866	1.868	1.868	1.866	1.865	1.866
#4	.00346	.00342	.00333	.00330	.00334	.00327	.00329	.00326	.00324	.00324	.00323	.00329	.00332	.00340
(ufd)	1.984	1.877	1.876	1.877	1.877	1.875	1.876	1.878	1.878	1.880	1.881	1.878	1.877	1.878
#5	.00353	.00354	.00343	.00341	.00345	.00349	.00352	.00356	.00364	.00371	.00366	.00379	.00387	.00410
(ufd)	1.947	1.842	1.842	1.843	1.843	1.841	1.842	1.844	1.844	1.846	1.847	1.844	1.843	1.843
#6	.00349	.00350	.00337	.00347	.00334	.00334	.00331	.00328	.00328	.00329	.00327	.00332	.00334	.00341
(ufd)	1.981	1.873	1.873	1.873	1.873	1.871	1.872	1.874	1.874	1.876	1.877	1.879	1.873	1.874
#7	.00358	.00353	.00344	.00334	.00330	.00329	.00332	.00326	.00324	.00324	.00323	.00326	.00327	.00333
(ufd)	1.982	1.870	1.870	1.871	1.871	1.870	1.870	1.873	1.873	1.875	1.875	1.873	1.872	1.873
#8	.00349	.00353	.00343	.00341	.00340	.00332	.00332	.00332	.00333	.00332	.00330	.00336	.00337	.00351
(ufd)	1.979	1.885	1.888	1.890	1.892	1.893	1.894	1.898	1.899	1.900	1.901	1.899	1.899	1.897
Avg.	.00350	.00345	.00336	.00335	.00332	.00330	.00330	.00327	.00327	.00328	.00326	.00332	.00334	.00344
(ufd)	1.972	1.867	1.868	1.868	1.868	1.867	1.868	1.870	1.871	1.872	1.873	1.871	1.870	1.870

DSW 283924

STLCOPCB4065343

Life Test Data — Paper (2x.66 Mil) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Page 2

Test Started 3-22-73

Temp, °C	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Voltage	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Time, hrs	168	336	504	672	826	994	1162	1330	1498	1694	1838	2006	2174	2342	2510

1X Treated 26.3% H230L (Dist., new ipl from Choc. Bayou), 48.7% dist. Santisol 100, 25% TXS (P.P. Bat 4, dist. & Na_2CO_3 treated) + 0.3% Unox 221 (Fr#2, 1-15-73) (Imp. 3-16-73)

Capacitors

#1	.00317	.00314	.00315	.00315	.00318	.00318	.00317	.00318	.00314	.00319	.00319	.00320	.00322	.00320	.00320
(ufd)	1.860	1.860	1.860	1.860	1.863	1.862	1.862	1.862	1.863	1.863	1.863	1.863	1.863	1.863	1.863
#2	.00336	.00341	.00334	.00335	.00337	.00337	.00337	.00339	.00334	.00335	.00337	.00339	.00338	.00338	.00338
(ufd)	1.870	1.869	1.869	1.870	1.873	1.873	1.873	1.873	1.874	1.874	1.874	1.874	1.874	1.874	1.874
#3	.00340	.00343	.00345	.00347	.00351	.00351	.00352	.00354	.00347	.00348	.00349	.00353	.00353	.00352	.00352
(ufd)	1.866	1.865	1.865	1.865	1.868	1.868	1.868	1.868	1.869	1.870	1.869	1.869	1.869	1.869	1.869
#4	.00341	.00344	.00345	.00346	.00348	.00348	.00348	.00352	.00339	.00338	.00339	.00340	.00341	.00341	.00340
(ufd)	1.878	1.877	1.877	1.878	1.881	1.881	1.881	1.880	1.884	1.884	1.884	1.884	1.884	1.884	1.884
#5	.00405	.00409	.00403	.00405	.00413	.00411	.00427	.00526							
(ufd)	1.840	1.843	1.844	1.844	1.847	1.847	1.847	1.847							
#6	.00342	.00345	.00347	.00346	.00348	.00348	.00346	.00350	.00341	.00341	.00342	.00345	.00344	.00343	.00343
(ufd)	1.874	1.873	1.874	1.874	1.877	1.877	1.877	1.877	1.879	1.879	1.879	1.879	1.879	1.879	1.879
#7	.00332	.00336	.00336	.00336	.00337	.00338	.00338	.00339	.00332	.00332	.00333	.00335	.00335	.00335	.00335
(ufd)	1.873	1.872	1.872	1.873	1.875	1.875	1.875	1.875	1.876	1.876	1.876	1.876	1.876	1.876	1.876
#8	.00347	.00347	.00347	.00346	.00349	.00349	.00348	.00349	.00341	.00340	.00343	.00345	.00343	.00343	.00342
(ufd)	1.899	1.899	1.900	1.900	1.901	1.902	1.902	1.902	1.903	1.904	1.904	1.904	1.904	1.904	1.904
Avg	.00345	.00347	.00346	.00347	.00350	.00350	.00352	.00372	.00335	.00336	.00337	.00340	.00339	.00339	.00339
(ufd)	1.870	1.870	1.870	1.870	1.873	1.873	1.873	1.873	1.878	1.878	1.878	1.878	1.878	1.878	1.878

147 ohrs.

DSW 283925

STLCOPCB4065344

Life Test Data – Paper (2x.66 Mil) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Page 3

Test Started 3-22-73

Temp, °C	90°	90°
Voltage	1000	1000
Time, hrs	2678	2846

1X treated 26.3%
– dist H230 (new spl. from Chos. Bayou)
48.7% dist. Santisol 100
25% TXS (P.P. Ba#4, dist + Na_2CO_3 treated)
+0.3% Unox 221 (Fr#2, 1-15-73)
(Imp 3-16-73)

Capacitors

#1	.00322	.00323
(ufd)	1.863	1.863
#2	.00338	.00340
(ufd)	1.874	1.874
#3	.00353	.00353
(ufd)	1.869	1.870
#4	.00341	.00342
(ufd)	1.884	1.884
#6	.00344	.00345
(ufd)	1.879	1.879
#7	.00335	.00336
(ufd)	1.876	1.876
#8	.00342	.00343
(ufd)	1.904	1.904
Avg	.00339	.00340
(ufd)	1.878	1.878

DSW 283926

STLCOPCB4065345