Life Test Data – 938-281901, Film([redacted] P.P.) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 4-13-72

Temp, °C	RT	70°	70°
Voltage	500	750	750
Time, hrs	0	672	1512
Recycled			
76.8% MIBP	.00128	.00127	.00106
23.2% TXS	2.394 μfd	2.313	2.311
0.3% Unox 221		79.5 hrs	5 ok

DSW 283995

STLCOPCB4065414

Life Test Data – 938-281901 Film (2x.25mil P.P.) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 4-3-72

Temp, °C	RT	70°	70°	70°	70°	70°	70°	70°	70°
Voltage	500	750	750	750	750	750	750	750	750
Time, hrs	0	168	336	504	672	840	1008	1176	1512 (9 week)

Recycled
76.8% MIBP
23.2% TXS
0.3% Unox221
(Impregnated 3-17-72)
Capacitors

#1	.00123	.00101	.00106	.00106	.00108	.00108	.00107	.00096	.00104
mfd	2.278	2.207	2.203	2.200	2.198	2.197	2.196	2.197	2.196
#2	.00109	.00109	.00113	.00115	.00111	.00112	.00109	.00103	.00073
mfd	2.329	2.255	2.250	2.247	2.245	2.244	2.243	2.243	2.242
#3	.00118	.00127	.00135	.00137	.00138	.00138	.00134	.00123	.00125
mfd	2.549	2.466	2.460	2.458	2.455	2.454	2.453	2.455	2.455
#4	.00120	.00112	.00117	.00116	.00118	.00114	.00116	.00115	.00097
mfd	2.244	2.171	2.166	2.164	2.162	2.160	2.159	2.160	2.160
#5	.00185	.00143	.00148	.00152	.00158	.00145	.00140	.00132	.00131
mfd	2.600	2.515	2.509	2.506	2.504	2.503	2.503	2.504	2.503
#6	.00111								
mfd	2.362								
		79.5 hrs.							
Avg.	.00128	.00118	.00123	.00125	.00127	.00123	.00121	.00114	.00106
mfd	2.394	2.323	2.318	2.315	2.313	2.312	2.311	2.312	2.311

DSW 283996

STLCOPCB4065415

Life Test Data -- Metalized Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 4-13-72

Temp, °C	R.T.	70°	70°	70°
Voltage	550	550	550	550
Time, hrs.	0	672	1008	1176
76.9% MIBP	.00128	.00093	.00082	
23.1% Triacetin	3.708	3.593	3.591	
		0.0 hrs.		1122.5 hrs.
		0.5		1127.5
		1.0		1127.5
		447.0		1155.0

DSW 283997

STLCOPCB4065416

Life Test Data – Metalized Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 4/13-72

Temp, °C	RT	70°	70°	70°	70°	70°	70°	70°
Voltage	550	550	550	550	550	550	550	550
Time, hrs	0	168	336	504	672	840	1008	1176

76.9% MIBP
23.1% Triacetin
(Impregnated 4-7-72)

Capacitors

#1	.00089	.00138	.00095					
mfd	3.756	3.650	3.647	447.0 hrs.				
#2	.00051	.00145	.00102	.00084	.00080	.00076	.00070	
mfd	3.723	3.617	3.614	3.612	3.610	3.608	3.607	1155.0 hrs.
#3	.00096							
mfd	3.582	.50 hrs						
#4	.00070							
mfd	3.742	Startup						
#5	.00145	.00206	.00138	.00111	.00099	.00092	.00083	
mfd	3.697	3.592	3.590	3.588	3.587	3.585	3.585	1127.5 hrs.
#6	.00048	.00155	.00118	.00100	.00093	.00088	.00086	
mfd	3.668	3.568	3.565	3.563	3.561	3.560	3.559	1127.5 hrs.
#7	.00446							
mfd	3.770	1.0 hrs.						
#8	.00058	.00163	.00126	.00106	.00100	.00096	.00090	
mfd	3.724	3.622	3.619	3.616	3.614	3.613	3.612	1127.5 hrs.
Avg	.00128	.00161	.00116	.00100	.00093	.00088	.00082	
mfd.	3.708	3.610	3.607	3.595	3.593	3.592	3.591	

DSW 283998

STLCOPCB4065417