Test Conditions, Tan δ, Capacitance, Failure Times

Started 10-28-70

Temp, °C		70°	70°	70°	70°	70°	70°	70°	80°	90°	100°		100°
Voltage		870	900	930	930	930	965	1000	1000	1000	1000		1000
Time, hrs	0	763	336	4.5	168	336	168	168	168	168	168		336
Aroclor 1242	a .00371	a .00339	a .00352	b .00328	b .00329	b .00327	b .00328	b .00328	b .00347	b .00407	b .00437		b .00458
	1.968 μfd										1.6 hr. 2.6		216.75 hr.
											2.6 2.6		1 ok
											2.6 95.5		
											2 ok		
Aroclor 1242	.00353	.00339	.00346	.00311	.00311	.00310	.00312	.00315	.00328	.00379	.00355		.00370
+0.005% Unox 221	1.884 μfd.										2.0 hr. 2.6		1 ok
											2.0 3.6		
											2.0 12.6		
											2.0 1 ok		
Aroclor 1242	.00361	.00332	.00348	.00327	.00327	.00326	.00327	.00327	.00340	.00391	.00509		
[redacted]	1.976 μfd.										2.17 hr. 14.0		183.83 hr.
											2.75 17.17		185.3
											3.75 2 ok		
											9.75		
Aroclor 1242	.00356	.00492											
[redacted]	1.981 μfd	460 hr. 1.5 hr.											
		591.5 264											
		735 322											
		756											
		761											
Kaneclor KC-300	.00353	.00323	.00339	.00318	.00319	.00318	.00321	.00328	.00341	.00400	.00460		
(Fujiken Oct. 69)	1.986 μfd									97 hr.	1.75 hr.		214 hr.
											1.75 2 ok		216.5
											2.75		
											2.75		
											14.75		
Kaneclor KC-300	.00357	.00325	.00342	.00316	.00316	.00316	.00318	.00322	.00339	.00389	.00440		
(Shizuki July 70)	1.990 μfd									64.5 hr.	2.25 hr. 6.25		230.5 hr.
											2.75 8.25		
											2.75		
											4.25 1 ok		

a) Measured at 600V, room temp.
b) Measured at test voltage and temp.

STLCOPCB4065125

Life Test Data

Test Conditions, Tan δ, Capacitance, Failure Times

Started 10-28-70

Temp, °C		70°	70°	70°	70°	70°	70°	70°	80°	90°	100°	
Voltage		870	900	930	930	930	965	1000	1000	1000	1000	
Time, hrs.	0	763	336	4.5	168	336	168	168	168	168	168	
Aroclor 1242 MMK Lot 94230 (Drum Spl.)	.00354[a] 1.984 µfd.	.00320[a]	.00336[a]	.00315[b]	.00315[b]	.00315[b]	.00318[b]	.00320[b]	.00334[b]	.00371[b]	.00378[b] 4.9hr. 48.5 89.0 97.5 98.5 116.5 157.67	.00409[b] 1 OK
Aroclor 1242 [redacted]	.00348 2.089 µfd.	.00367	.00388	.00338	.00338	.00339	.00339	.00341	.00347	.00368	.00409 8 OK	.00425 8 OK

DSW 283707

a) Measured at 600V, room temp.
b) Measured at test voltage and temp.

STLCOPCB4065126