

CAPACITOR LEAKAGE CURRENT GUIDE											
TYPE OF CAPACITOR	Maximum leakage current in microamps ( $\mu A$ ) at rated working voltage										
	10V	16V	25V	35V	50V	63V	100V	250V	400V	450V	630V
Ceramic, Polystyrene, Metallised Film (MKT, Greencap etc.), Paper, Mica	← LEAKAGE CURRENT SHOULD BE ZERO FOR ALL OF THESE TYPES, AT RATED VOLTAGE →										
Solid Tantalum* < 4.7 $\mu F$	1.0	1.5	2.5	3.0	3.5	5.0	7.5	12	15	17	19
6.8 $\mu F$	1.5	2.0	3.0	4.0	6.5	7.0	9.0	14	18	20	22
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
47 $\mu F$	10	10	15	16	17	19	24	36	48	54	59
Standard Aluminium Electrolytic# < 3.3 $\mu F$	5.0	5.0	5.0	6.0	8.0	10	17	50	220	240	270
4.7 $\mu F$	5.0	5.0	6.0	8.0	12	15	23	60	250	290	320
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
10 $\mu F$	5.0	8.0	13	18	25	35	50	270	380	420	460
15 $\mu F$	8.0	11	19	25	38	100	230	340	460	530	570
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
100 $\mu F$	50	230	300	330	420	500	600	900	1200	1350	1470
150 $\mu F$	230	280	370	430	520	600	730	1050	1470	1640	1800
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
680 $\mu F$	500	600	780	950	1100	1300	1560	2250	3130	3500	3850
1000 $\mu F$	600	730	950	1130	1340	1500	1900	2740	3790	4250	
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
4700 $\mu F$	1300	1590	2060	2450	2900	3300	4110	5970	8230	9200	

\* Figures for Solid Tantalum capacitors are after a charging period of one minute.  
 # Figures for Aluminium Electrolytics are after a charging/reforming period of three minutes.

# SILICON CHIP

# ELECTROLYTIC CAPACITOR RE-FORMER & TESTER

⊕ SET TEST VOLTAGE

TEST VOLTS ON! ⊕

⊕ INCREASE APPLICATION TIME

⊕ DECREASE

⊕ START/STOP VOLTAGE APPLICATION

⊕ POWER

⊕ SET LCD CONTRAST

⊕ SET 2.49V REFERENCE