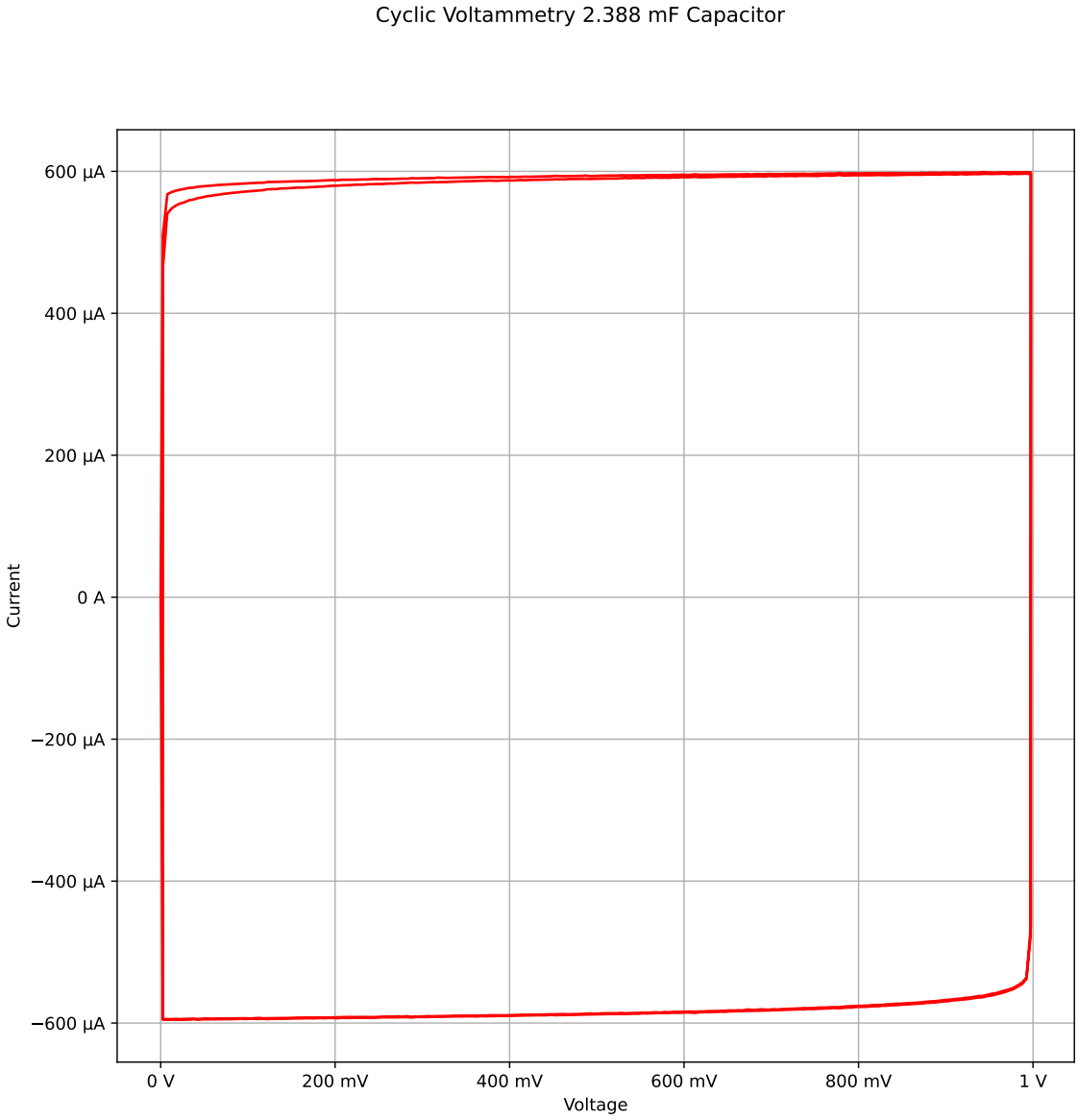
ZAHNER

Capacitor Test Report

1 Informations

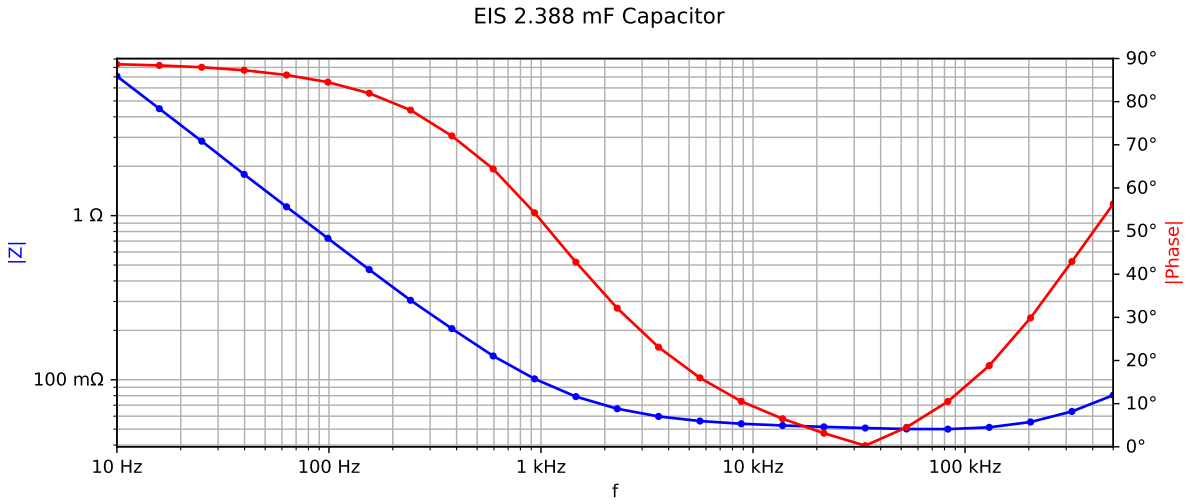
Test object name:	C1234
Date of test:	March 14, 2022
Time of test:	08:07:29
Calculated capacity:	2.388 mF

2 CV



$$Capacity = \frac{I}{\frac{dV}{dt}} = \frac{\frac{598.904\mu A - (-595.283\mu A)}{2}}{0.25\frac{V}{s}} = 2.388mF$$

3 EIS



Frequency $[Hz]$	**|Impedance|** $[\Omega]$	**Phase** [°]
10.000	7.075	-88.676
15.849	4.484	-88.401
25.119	2.841	-87.975
39.811	1.784	-87.284
63.096	1.132	-86.183
98.844	727.384m	-84.527
154.850	469.044m	-81.956
242.580	304.991m	-78.050
380.010	204.940m	-72.052
595.310	139.568m	-64.397
932.590	101.309m	-54.233
1.461k	78.955m	-42.795
2.289k	66.590m	-32.130
3.585k	59.788m	-23.090
5.617k	56.042m	-15.989
8.799k	53.947m	-10.530
13.784k	52.668m	-6.500
21.594k	51.659m	-3.149
33.828k	50.815m	257.206m
52.994k	50.127m	4.513
83.019k	50.034m	10.494
130.050k	51.321m	18.811
203.740k	55.281m	29.880
319.170k	64.112m	42.946
500.000k	80.539m	56.295