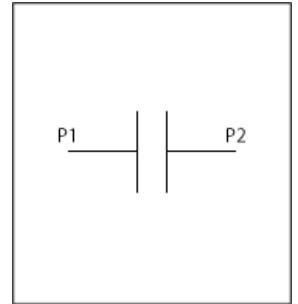


LTspice Model Super Capacitor TOKIN FYH0H224ZF



Model Information

Model An original macro model
Call Name MDC_FYH0H224ZF_LT
Pin Assign 1:P1 2:P2
File List Model Library MDC_FYH0H224ZF_LT01.lib
 Model Report MDC_FYH0H224ZF_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2010.11.8
- Product name FYH0H224ZF
- Company name TOKIN Corporation
- Characteristics CapFreqVr, EsrFreqVr, ChargeCurrent, DischargeCurrent

Simulation Range

This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Charge system	0.22	to	0.22	F
Discharge system	0.30	to	0.30	F
Frequency	1,000	to	1,000	Hz
Temperature	-25	to	70	deg C

Capacitor

○ : Implemented
 × : Not Implemented
 — : Not applicable

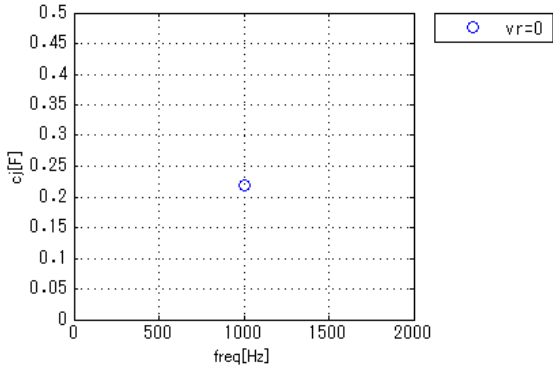
Model Functions Table

RANK=1

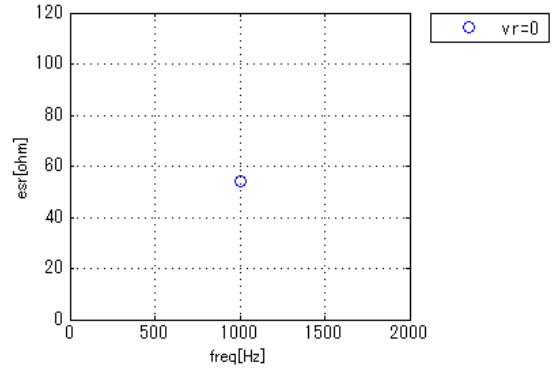
Functions	RANK	Implemented
Impedance-Frequency	1	—
ESR-Frequency	1	○
Capacitance-Frequency	1	○
Inductance-Frequency	1	—

Simulation results are following.
 Explanatory notes — : simulated

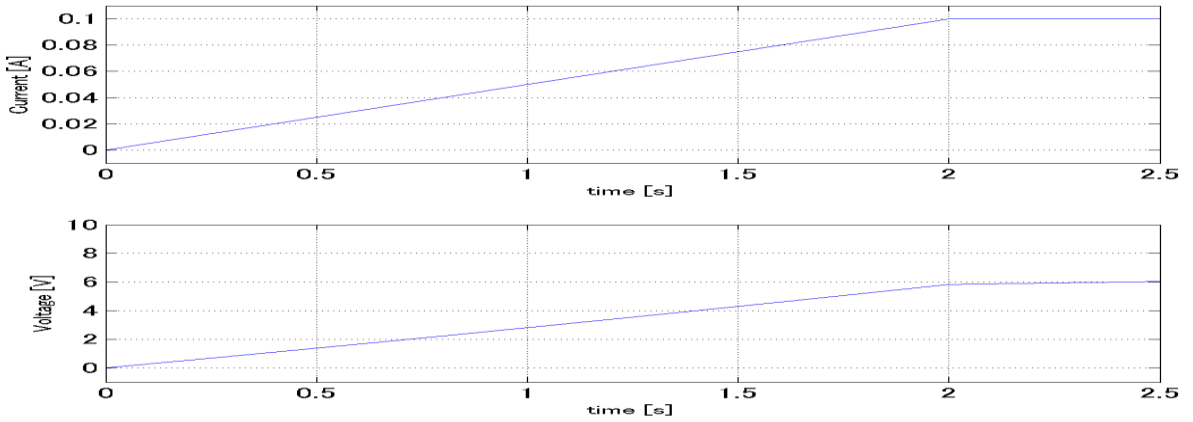
CapFreqVr



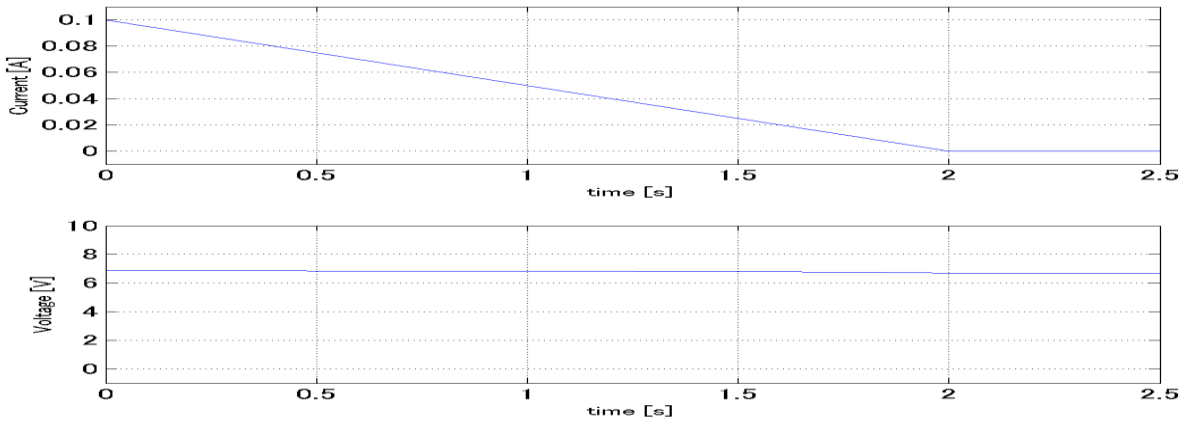
EsrFreqVr



Charge Current



Discharge Current



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