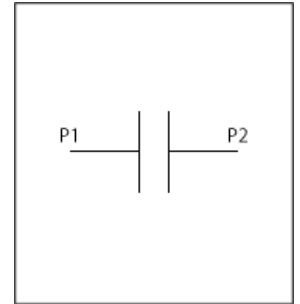


# PSpice Model Super Capacitor TOKIN FYH0H224ZF



## Model Information

**Model** An original macro model  
**Call Name** MDC\_FYH0H224ZF\_PS  
**Pin Assign** 1:P1 2:P2  
**File List** Model Library MDC\_FYH0H224ZF\_PS01.lib  
 Model Report MDC\_FYH0H224ZF\_PS.pdf (this file)

**Verified Simulator Version** PSpice version 17.2  
**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

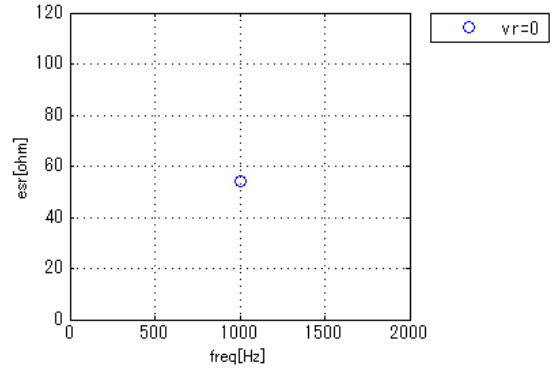
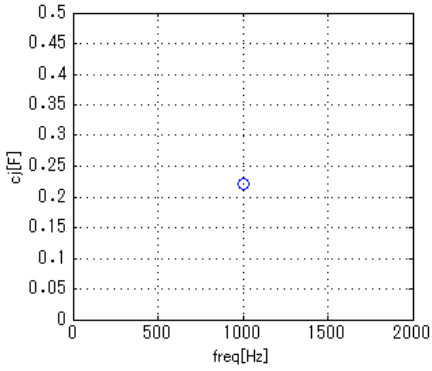
RANK=1

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

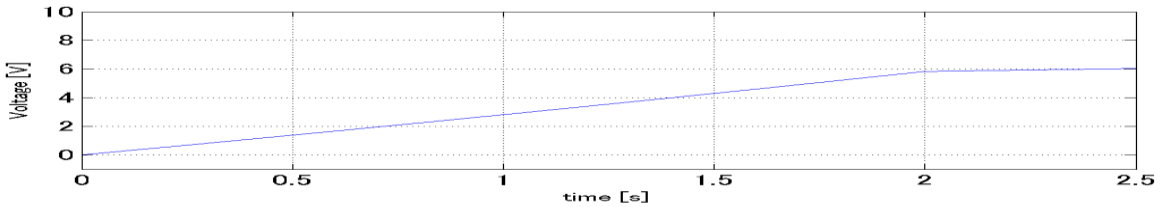
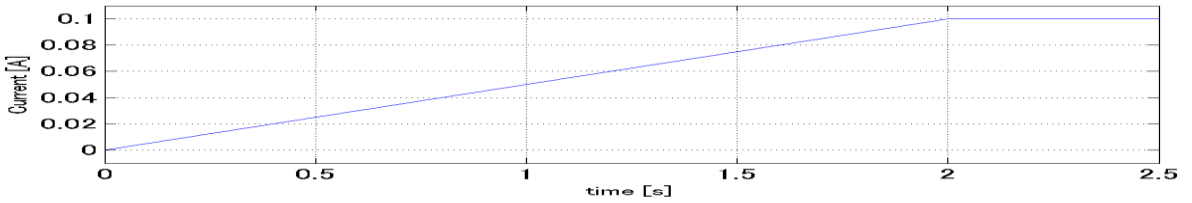
Simulation results are following.  
 Explanatory notes — : simulated

**CapFreqVr**

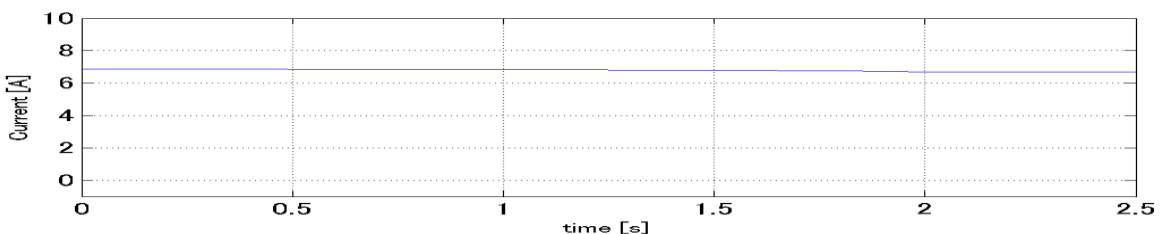
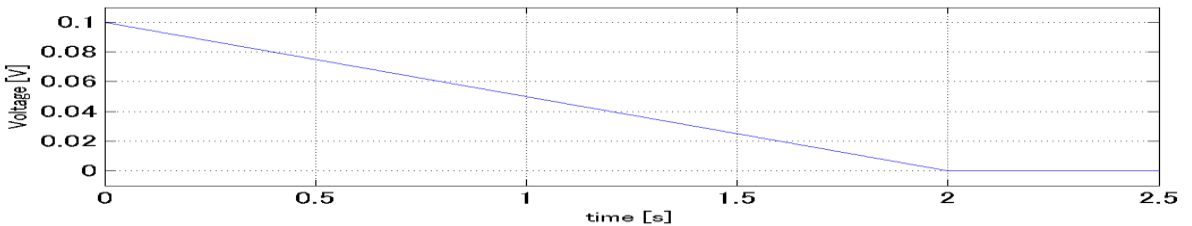
**EsrFreqVr**



**Charge Current**



**Discharge Current**



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