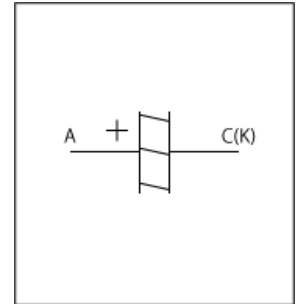


PSpice Model

Aluminum Electrolytic Capacitor

NIPPON CHEMI-CON

HHXJ250GRA101MF80G



Model Information

Model An original macro model
Call Name MDC_HHXJ250GRA101MF80G_PS
Pin Assign 1:A 2:C
File List Model Library MDC_HHXJ250GRA101MF80G_PS01.lib
 Model Report MDC_HHXJ250GRA101MF80G_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 Unknown
- Product name HHXJ250GRA101MF80G
- Company name NIPPON CHEMI-CON CORPORATION
- Characteristics ImpedanceFreq[Vf],ESRFreq[Vf],CapFreq[Vf]

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.	
Temperature	-55	to	105	deg C

Capacitor

○ : Implemented
 × : Not Implemented
 — : Not applicable

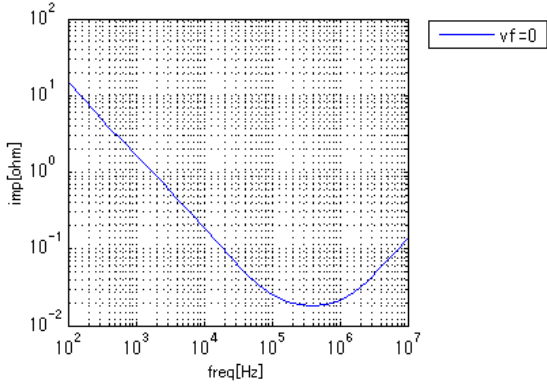
Model Functions Table
RANK=1

Functions	RANK	Implemented
Impedance-Frequency	1	○
ESR-Frequecy	1	○
Capacitance-Frequency	1	○
Inductance-Frequency	1	—
Capacitance-Voltage	1	—
Capacitance-Temp	1	—
Capacitance-Vac	1	—
Resistance-Voltage	1	—

Simulation results are following.
 Explanatory notes — : simulated

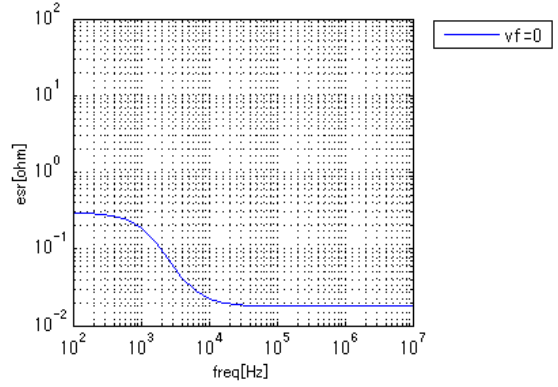
ImpedanceFreq[Vf]

temp = 25degC



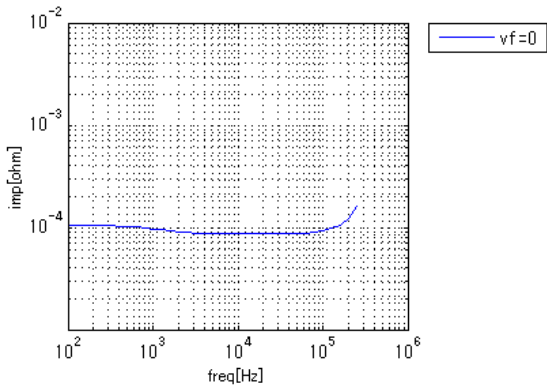
ESRFreq[Vf]

temp = 25degC



CapFreq[Vf]

Temp = 25degC



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