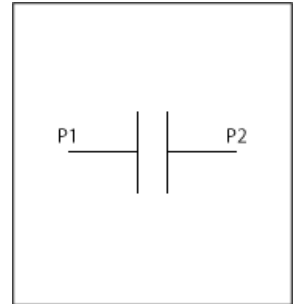


PSpice Model

Film Capacitor

NICHICON

QXTZ5303JRPAMMCS



Model Information

Model An original macro model
Call Name MDC_QXTZ5303JRPAMMCS_PS
Pin Assign 1:P1 2:P2
File List Model Library MDC_QXTZ5303JRPAMMCS_PS01.lib
 Model Report MDC_QXTZ5303JRPAMMCS_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 QXTZ5303JRPAMMCS
- Company name NICHICON CORPORATION
- Characteristics ImpedanceFreq,ESRFreq,CapacitanceFreq

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.	
Frequency	1K	to	1G	Hz
Temperature	-40	to	105	deg C

Capacitor

○ : Implemented
 × : Not Implemented
 — : Not applicable

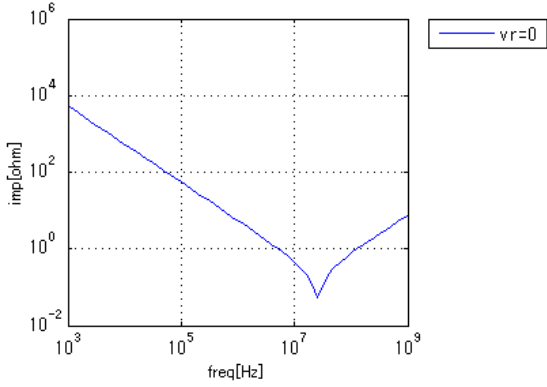
Model Functions Table

RANK=1

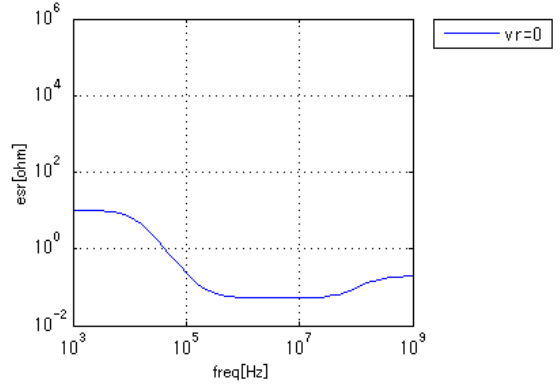
Functions	RANK	Implemented
Impedance-Frequency	1	○
ESR-Frequency	1	○
Capacitance-Frequency	1	○
Inductance-Frequency	1	—

Simulation results are following.
 Explanatory notes — : simulated

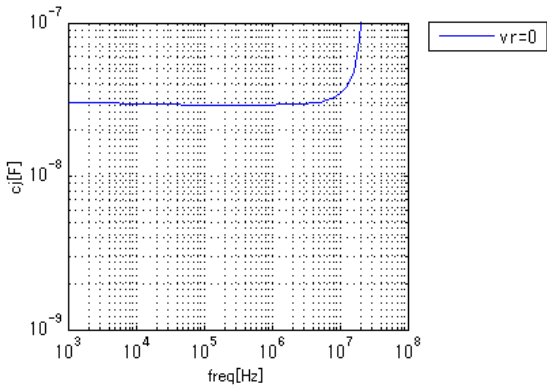
Impedance Freq



ESR Freq



Capacitance Freq



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