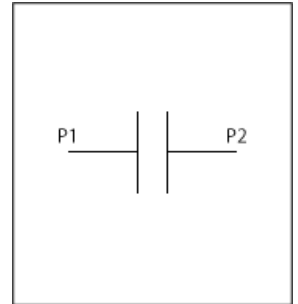


PSpice Model

Film Capacitor

NISSEI

MPEC1000J9040B20P045



Model Information

Model An original macro model
Call Name MDC_MPEC1000J9040B20P045_PS
Pin Assign 1:P1 2:P2
File List Model Library MDC_MPEC1000J9040B20P045_PS01.lib
 Model Report MDC_MPEC1000J9040B20P045_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 MPEC1000J9040B20P045
- Company name NISSEI Electric Co., Ltd.
- 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	10K	to	1G	Hz
Temperature	25	to	25	deg C

Capacitor

○ : Implemented
 × : Not Implemented
 — : Not applicable

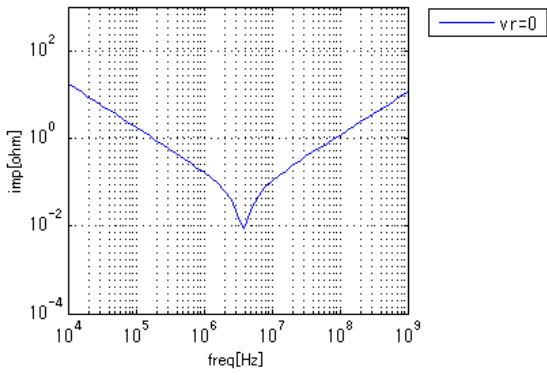
Model Functions Table

RANK=1

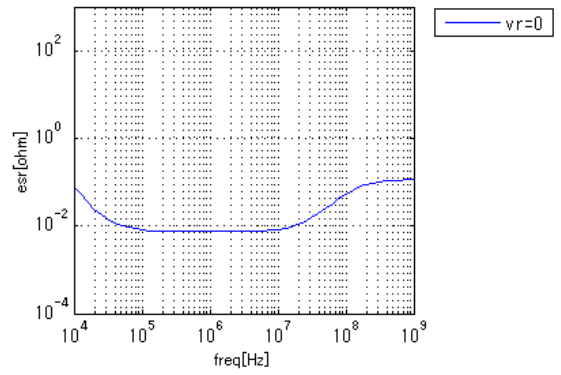
Functions	RANK	Implemented
Impedance-Frequency	1	○
ESR-Frequency	1	○
Capacitance-Frequency	1	○
Inductance-Frequency	1	—

Simulation results are following.
Explanatory notes — : simulated

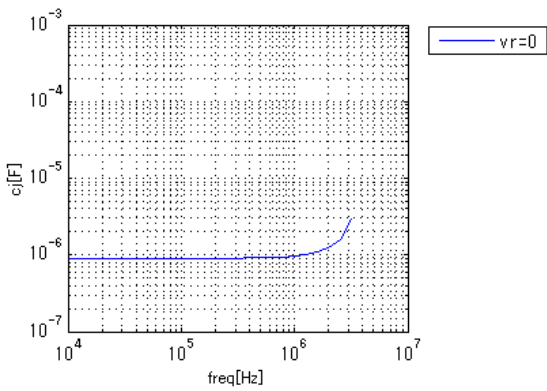
Impedance Freq



ESR Freq



Capactance Freq



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