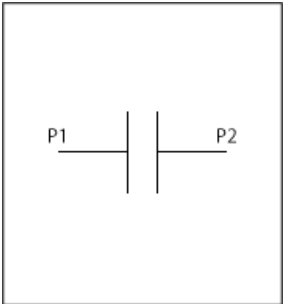


# LTspice Model

## Film Capacitor

### NICHICON

### QXTZ5303JRPAMMCS



### Model Information

<b>Model</b>	An original macro model		
<b>Call Name</b>	MDC_QXTZ5303JRPAMMCS_LT		
<b>Pin Assign</b>	1:P1 2:P2		
<b>File List</b>	Model Library	MDC_QXTZ5303JRPAMMCS_LT01.lib	
	Model Report	MDC_QXTZ5303JRPAMMCS_LT.pdf (this file)	
<b>Verified Simulator Version</b>	LTspice version XVII		
<b>Note</b>			

### 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

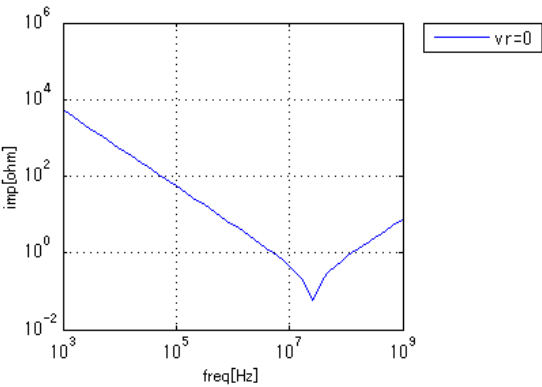
○ : Implemented  
× : Not Implemented  
— : Not applicable

Model Functions Table

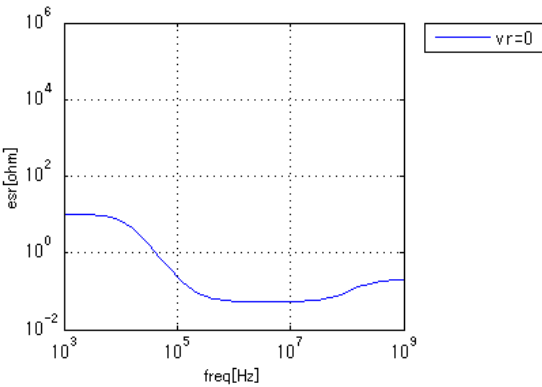
RANK=1		
Functions	RANK	Implemented
Impedance-Frequency	1	○
ESR-Frequency	1	○
Capacitance-Frequency	1	○
Inductance-Frequency	1	—

Simulation results are following.  
Explanatory notes    — : simulated

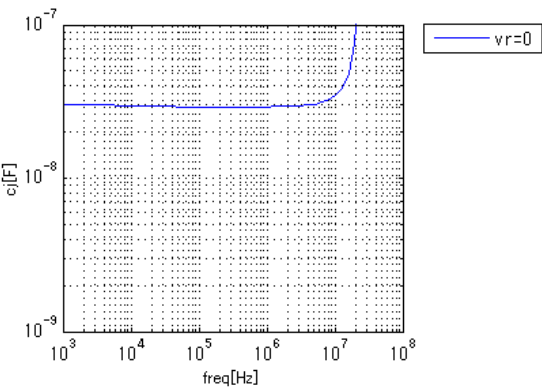
Impedance Freq



ESR Freq



Capacitance Freq



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