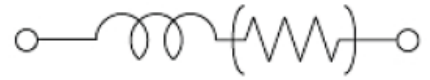


LTspice Model Ferrite Beads MURATA NFZ2MSD102SZ10L



(Resistance element becomes dominant at high frequencies.)

Model Information

Model	A macro model		
Call Name	MDC_NFZ2MSD102SZ10L_LT		
Pin Assign	1:1 2:2		
File List	Model Library	MDC_NFZ2MSD102SZ10L_LT01.lib	
	Model Report	MDC_NFZ2MSD102SZ10L_LT.pdf (this file)	
Verified Simulator Version	LTspice version XVII		
Note			

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2023/08/03
- Product name NFZ2MSD102SZ10L
- Company name Murata Manufacturing Co., Ltd.
- Characteristics ImpedanceFreq[Vf],ResistanceFreq[Vf],ReactanceFreq[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	-40	to	125	deg C

Inductor

○ : Implemented
× : Not Implemented
— : Not applicable

Model Functions Table

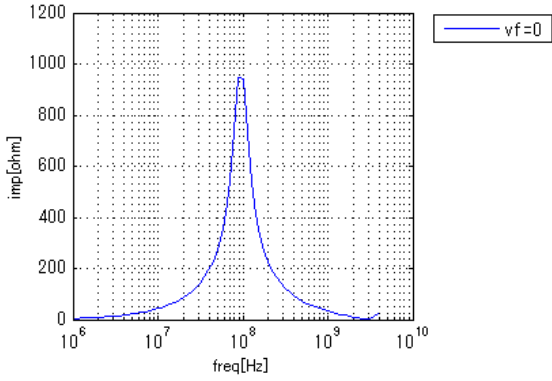
RANK=1

Functions	RANK	Implemented
Impedance-Frequency	1	○
Inductance-Frequency	1	—
Inductance-Current	1	—
Inductance-Temp	1	—
Resistance-Current	1	—
Resistance-Frequency	1	○
Reactance-Frequency	1	○

Simulation results are following.
 Explanatory notes — : simulated

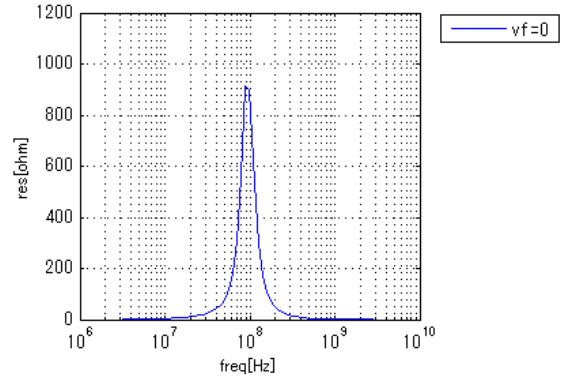
ImpedanceFreq[Vf]

temp = 25degC



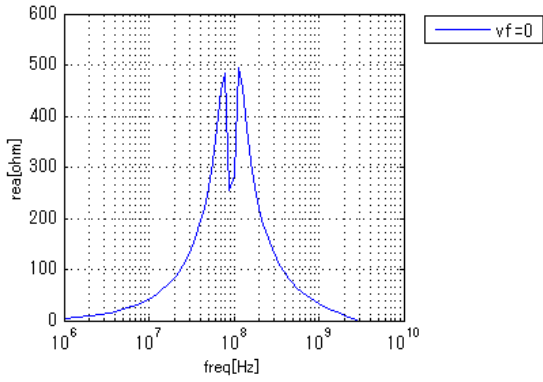
ResistanceFreq[Vf]

temp = 25degC



ReactanceFreq[Vf]

temp = 25degC



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