

## **PSpice Model Ferrite Beads MURATA** NFZ2MSD102SZ10L

(Resistance element becomes dominant at high frequencies.)

### **Model Information**

Model A macro model Call Name MDC NFZ2MSD102SZ10L PS Pin Assign 1:1 2:2 Model Library File List Model Report

MDC\_NFZ2MSD102SZ10L\_PS01.lib MDC\_NFZ2MSD102SZ10L\_PS.pdf (this file)

**Verified Simulator Version** Note

PSpice version 17.2

#### References

The information which was used for modeling is as follow:

2023/08/03
NFZ2MSD102SZ10L
Murata Manufacturing Co., Ltd.
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

# Modech

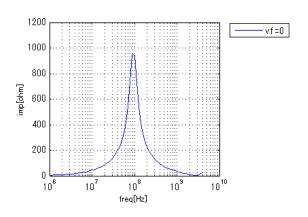
Inductor Model Functions Table	RANK=1	O : Implemented × : Not Implemented — : Not applicable
Functions	RANK	Implemented
Impedance-Frequency	1	0
Inductance-Frequency	1	—
Inductance-Current	1	—
Inductance-Temp	1	—
Resistance-Current	1	—
Resistance-Frequency	1	0
Reactance-Frequency	1	0



# Simulation results are following. Explanatory notes -: simulated

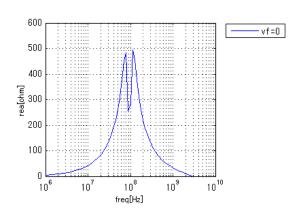
### ImpedanceFreq[Vf]

temp = 25degC



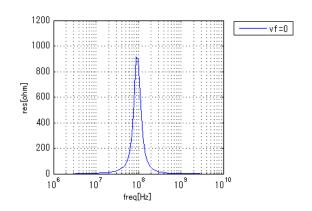
### ReactanceFreq[Vf]

temp = 25degC



### ResistanceFreq[Vf]







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