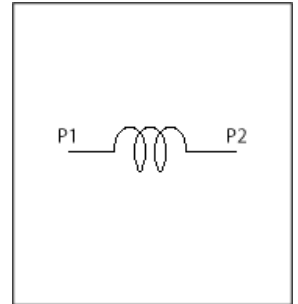


LTspice Model Wound Inductor SANWA MUSEN SICH1211



Model Information

Model An original macro model
Call Name MDC_SICH1211_LT
Pin Assign P1 2:P2
File List Model Library MDC_SICH1211_LT01.lib
 Model Report MDC_SICH1211_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 2011.11.08
- Product name SICH1211
- Company name SANWA MUSEN CO.,LTD.
- Characteristics IndIfTemp,IndFreq,IndTemp,ResIfTemp

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	100Meg	Hz
Temperature	-30	to	155	deg C
Superimposed Current	0	to	20	A

Inductor

○ : Implemented
× : Not Implemented
— : Not applicable

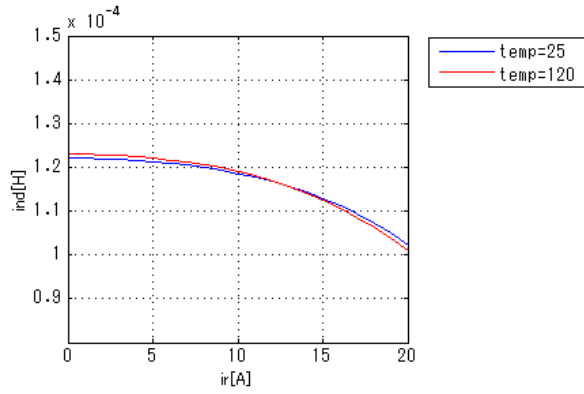
Model Functions Table
RANK=1

Functions	RANK	Implemented
Impedance-Frequency	1	—
Inductance-Frequency	1	○
Inductance-Superimposed Current	1	○
Inductance-Temperature	1	○
Resistance	1	○

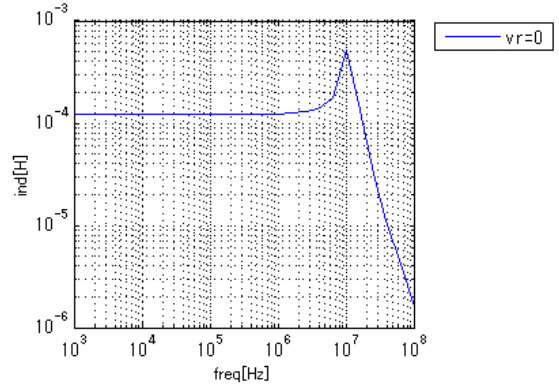
Simulation results are following.
 Explanatory notes — : simulated

IndfTemp

Freq = 20 KHz

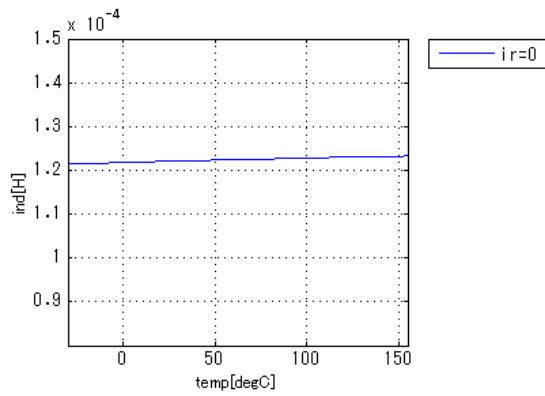


IndFreq

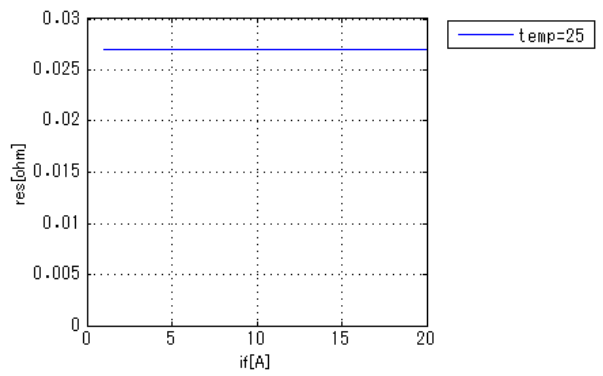


IndTemp

Freq = 20 KHz



ResfTemp



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