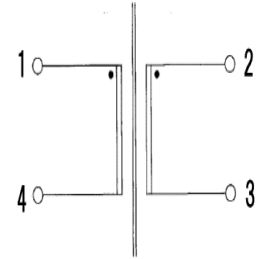


# PSpice Model

## Choke Coil

### SANWA MUSEN

### CMR30N2121



### Model Information

**Model** A macro model  
**Call Name** MDC\_CM30N2121\_PS  
**Pin Assign** 1:S 2:s 3:f 4:F  
**File List** Model Library MDC\_CM30N2121\_PS01.lib  
 Model Report MDC\_CM30N2121\_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 CMR30N2121
- Company name SANWA MUSEN CO.,LTD.
- Characteristics ImpedanceFreq,InductorFreq,DcResistor

### 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	-25	to	130	deg C

Inductor

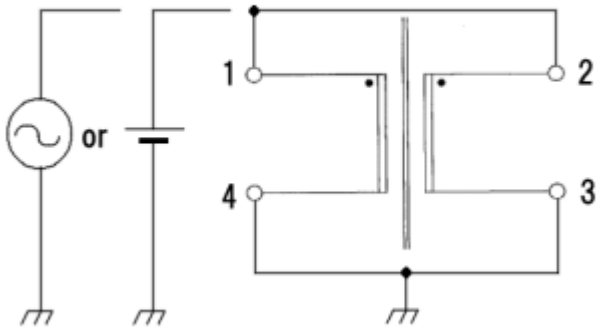
○ : Implemented  
 × : Not Implemented  
 — : Not applicable

**Model Functions Table**
**RANK=1**

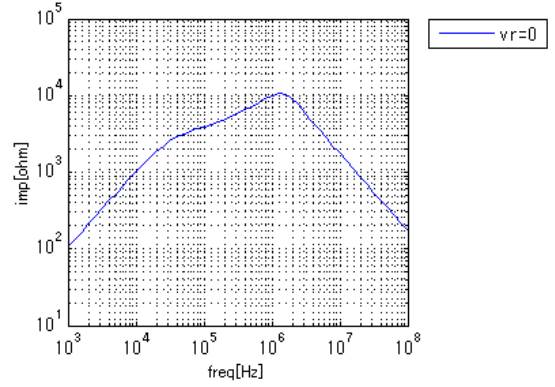
Functions	RANK	Implemented
Impedance-Frequency	1	○
Inductance-Frequency	1	○
DC Resistance	1	○

Simulation results are following.  
 Explanatory notes — : simulated

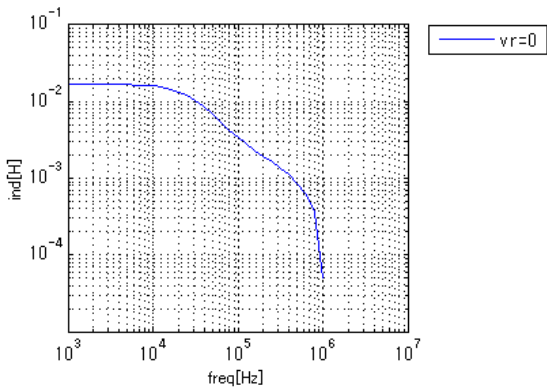
**Test Bench**



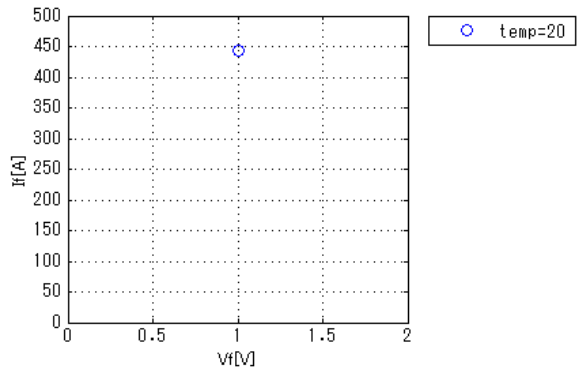
**Impedance Freq**



**Inductance Freq**



**Dc Resistor**



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