

# PSpice Model Other Inductor Panasonic ETQP4MR33GAK



## Model Information

<b>Model</b>	An original macro model		
<b>Call Name</b>	MDC_ETQP4MR33GAK_PS		
<b>Pin Assign</b>	1:1 2:2		
<b>File List</b>	Model Library	MDC_ETQP4MR33GAK_PS02.lib	
	Model Report	MDC_ETQP4MR33GAK_PS.pdf (this file)	
<b>Verified Simulator Version</b>	PSpice version 17.2		
<b>Note</b>			

## References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2023/6/5
- Product name ETQP4MR33GAK
- Company name Panasonic Corporation
- Characteristics InductanceI[Temp],ResistanceI[Temp],InductanceFreq[Vf],ImpedanceFreq[Vf],InductanceVf[Temp]

## 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	150	deg C

## Inductor

○ : Implemented  
× : Not Implemented  
— : Not applicable

Model Functions Table

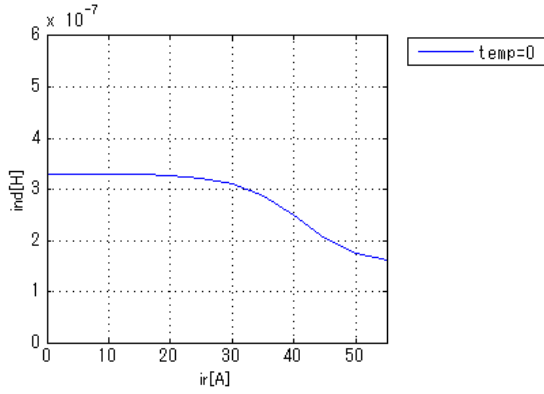
RANK=1

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

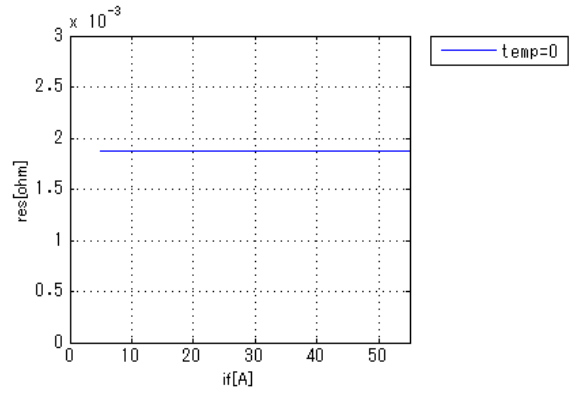
Simulation results are following.  
 Explanatory notes — : simulated

**InductanceI[Temp]**

freq = 100000Hz

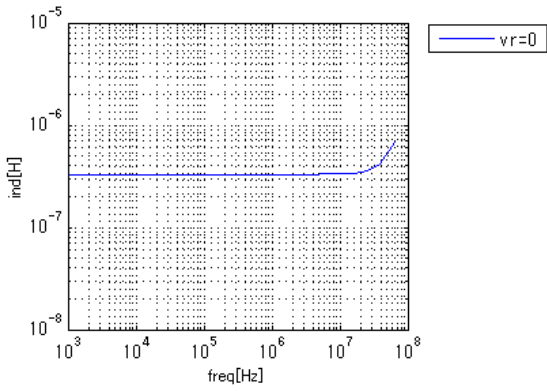


**ResistanceI[Temp]**



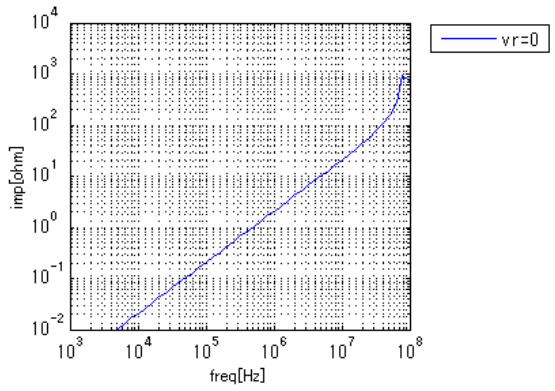
**InductanceFreq[Vf]**

temp = 25degC



**ImpedanceFreq[Vf]**

temp = 25degC



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MoDeCH Inc.

Head Office

Location: 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:[model-on-support@modech.co.jp](mailto:model-on-support@modech.co.jp)

URL:<http://www.modech.com/en/>