

# PSpice Model

## Ferrite Beads

### Murata

# MDC\_BLM18KG101TH1\_PS

### Model Information

**Model** A macro model  
**Call Name** MDC\_BLM18KG101TH1\_PS  
**Pin Assign** 1:1 2:2  
**File List** Model Library MDC\_BLM18KG101TH1\_PS.lib  
Model Report MDC\_BLM18KG101TH1\_PS.pdf(this file)  
**Verified Simulator Version** PSpice V17.4  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version
- Product name BLM18KG101TH1
- Company name Murata Manufacturing Co., Ltd.

[Characteristics listed]

- Characteristics Z,R,X vs Frequency

### Simulation Condition

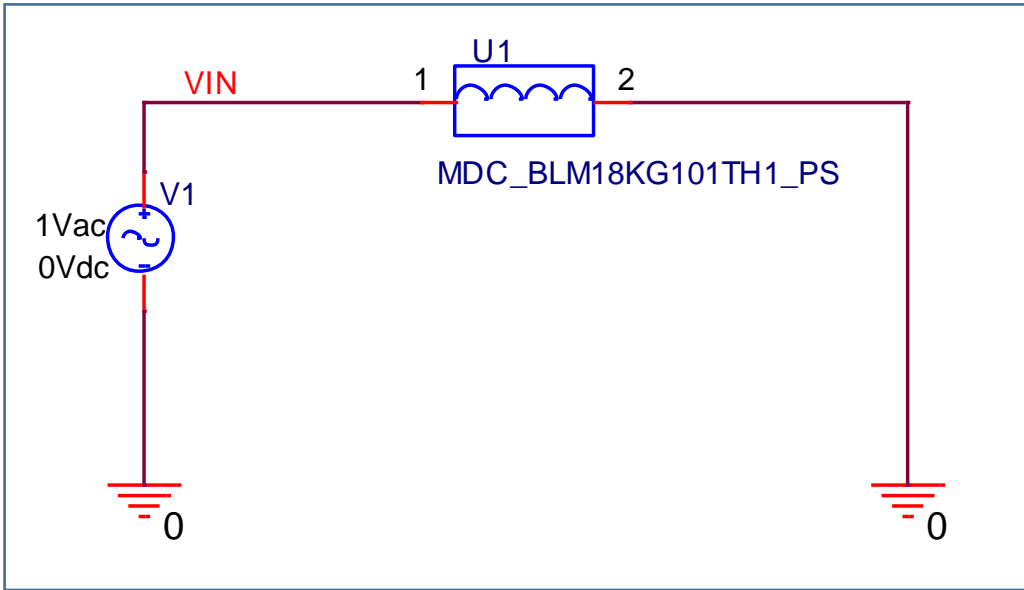
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	20	deg C

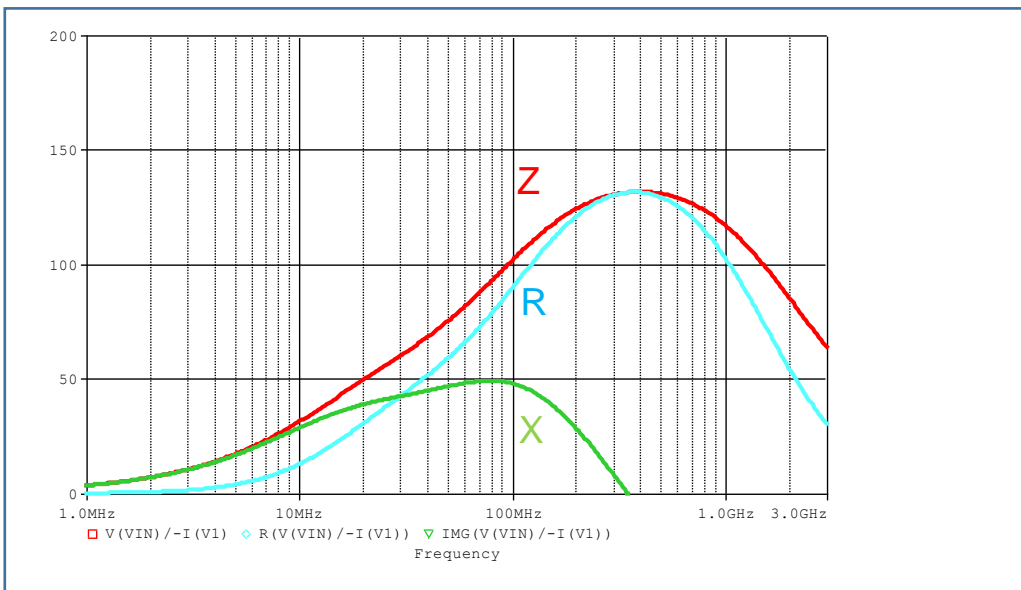
**Model Functions Table**

Functions	Implemented
Z,R,X vs Frequency	○

## Z,R,X vs Frequency TestBench



Simulation results are following.  
Explanatory notes — : simulated



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