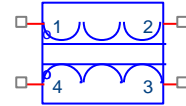


# PSpice Model

## Common Mode Choke Coil

### TDK

### MDC\_ACT45C-510-2P\_PS



MDC\_ACT45C-510-2P\_PS

### Model Information

**Model** A macro model  
**Call Name** MDC\_ACT45C-510-2P\_PS  
**Pin Assign** 1:1 2:2 3:3 4:4  
**File List** Model Library MDC\_ACT45C-510-2P\_PS.lib  
 Model Report MDC\_ACT45C-510-2P\_PS.pdf(this file)  
**Verified Simulator Version** PSpice v17.2  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version -
- Product name ACT45C-510-2P
- Company name TDK Corporation.

[Characteristics listed]

- Characteristics Impedance vs Frequency

### Simulation Condition

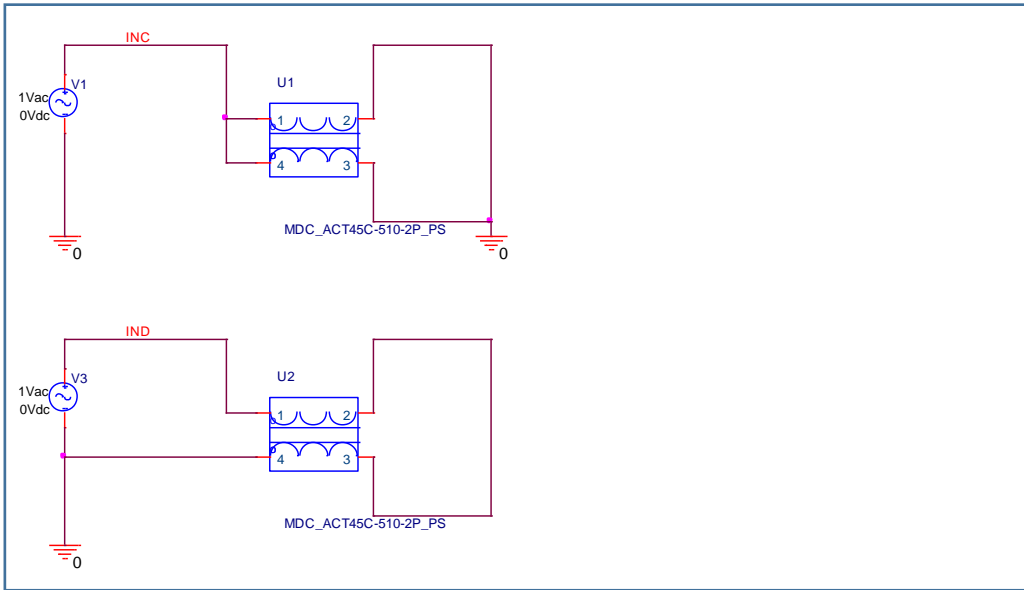
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

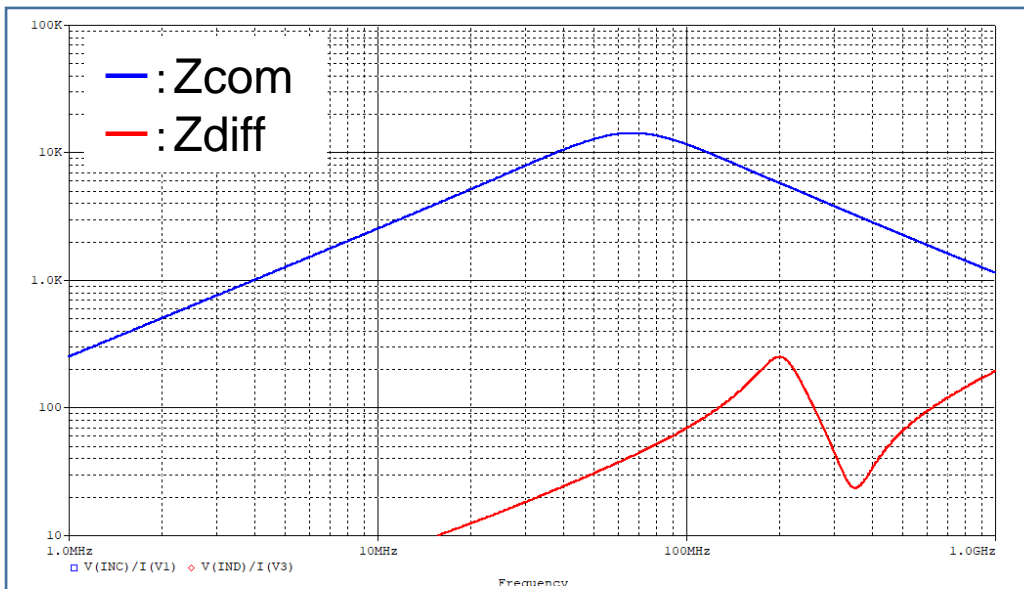
**Model Functions Table**

Functions	Implemented
Impedance (Common,Differential )	○

## Impedance(Common,Differential) vs Frequency TestBench



Simulation results are following.  
Explanatory notes — : simulated



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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/>