

# ADS Model

## Common mode choke

### TOKIN

### MDC\_SC-15-12J-MI\_AD

#### Model Information

**Model** A macro model  
**Call Name** MDC\_SC-15-12J-MI\_AD  
**Pin Assign** 1:Port1 2:Port2 3:Port3 4:Port4  
**File List** Model Library MDC\_SC-15-12J-MI\_AD.lib  
Model Report MDC\_SC-15-12J-MI\_AD.pdf(this file)  
**Verified Simulator Version** ADS 2020  
**Note**

#### References

The information which was used for modeling is as follow:

##### [Data Sheet]

●Date/Version TOK\_LF0006\_SC-J•7/31/2020  
●Product name SC-15-12J-MI  
●Company name TOKIN Corporation

##### [Characteristics listed]

●Characteristics  
Impedance vs Frequency

#### Simulation Condition

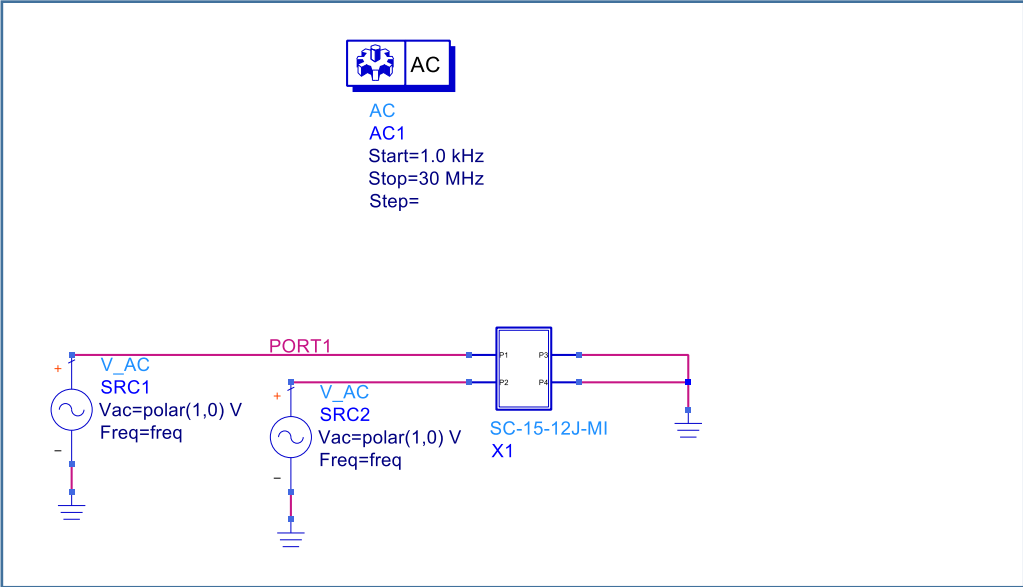
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

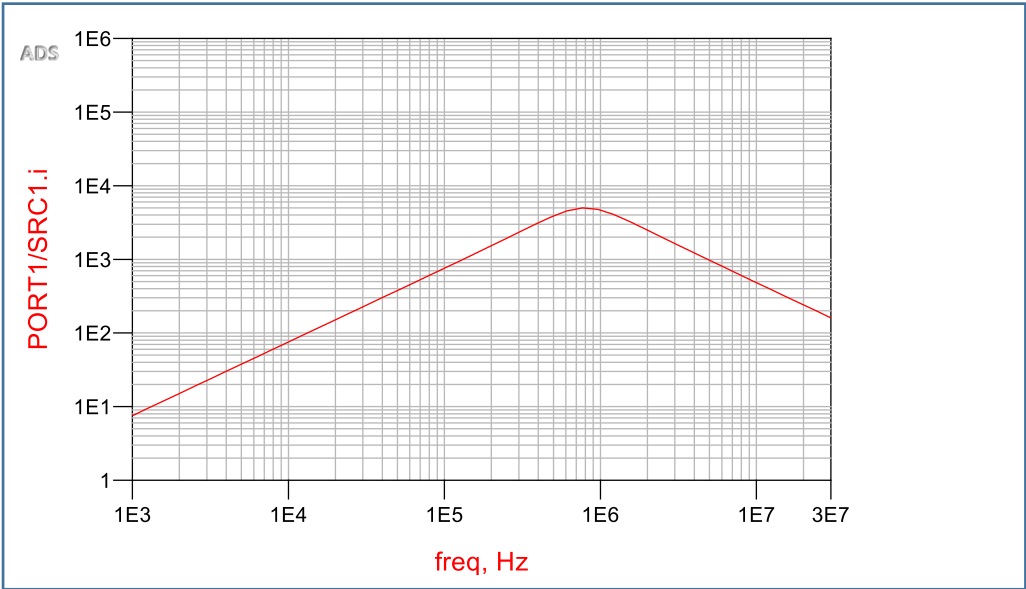
Model Functions Table

Functions	Implemented
Impedance vs Frequency	<input type="radio"/>

Impedance vs Frequency  
TestBench



Simulation results are following.  
Explanatory notes — : simulated



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