

LTspice Model

Surge Protective Device

OKAYA ELECTRIC INDUSTRIES CO.,LTD.

R38-900-BOL

Model Information

Model A macro model
Call Name MDC_R38-900-BOL_LT
Pin Assign 1:P 2:C 3:N
File List Model Library MDC_R38-900-BOL_LT01.lib
 Model Report MDC_R38-900-BOL_LT.pdf(this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Unknown
- Product name R38-900-BOL
- Company name OKAYA ELECTRIC INDUSTRIES CO.,LTD.

[Characteristics listed]

- Characteristics DC Breakdown Voltage

Simulation Condition

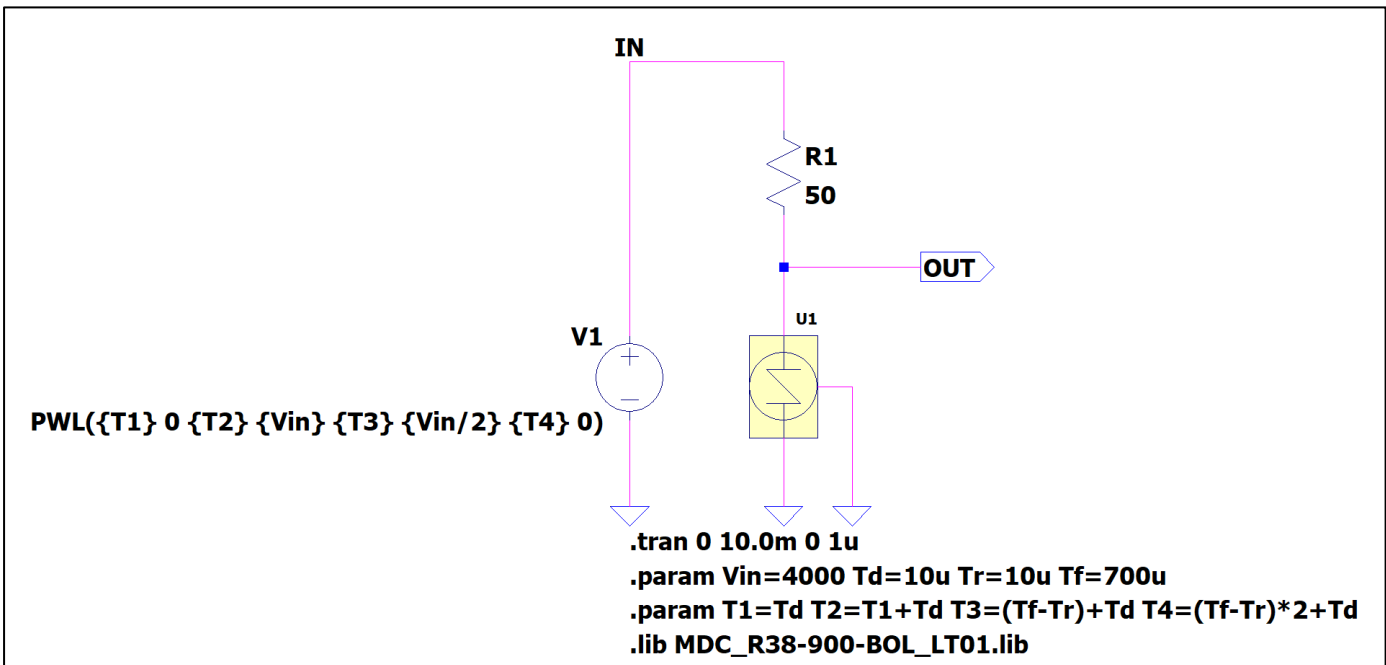
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Model Functions Table

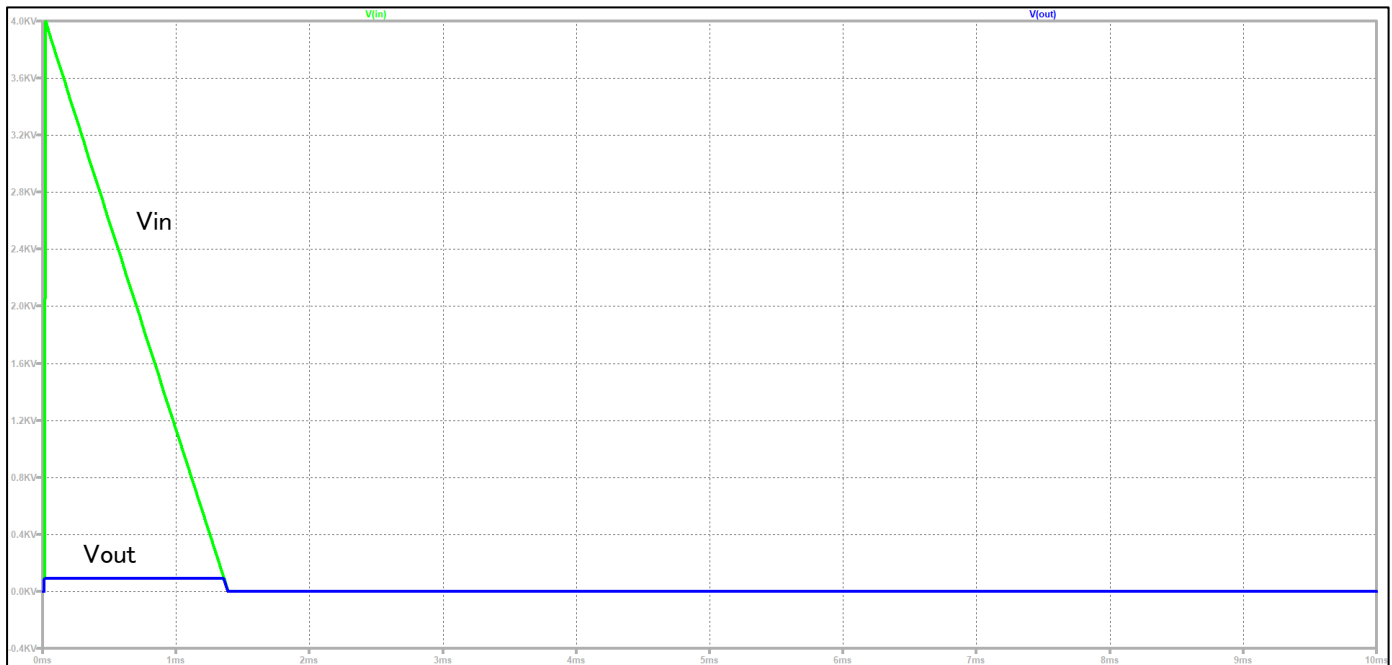
Functions	Implemented
DC Breakdown Voltage	○

DC breakdown voltage Operation ($V_{in} = 4kV$, $R_{in} = 50\Omega$, Combination wave = $10\mu/700\mu$) Testbench
Referred to Data Sheet



Simulation results are following.
Explanatory notes — : simulated

DC breakdown voltage Operation (Vin = 4kV, Rin = 50ohm, Combination wave = 10u/700u) Testbench



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