

LTspice Model

Surge Protective Device

OKAYA ELECTRIC INDUSTRIES CO.,LTD.

RHCA-900Q31U

Model Information

Model A macro model
Call Name MDC_RHCA-900Q31U_LT
Pin Assign 1:P 2:N
File List Model Library MDC_RHCA-900Q31U_LT01.lib
Model Report MDC_RHCA-900Q31U_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 RHCA-900Q31U
- Company name OKAYA ELECTRIC INDUSTRIES CO.,LTD.

[Characteristics listed]

- Characteristics DC Breakdown Voltage

Simulation Condition

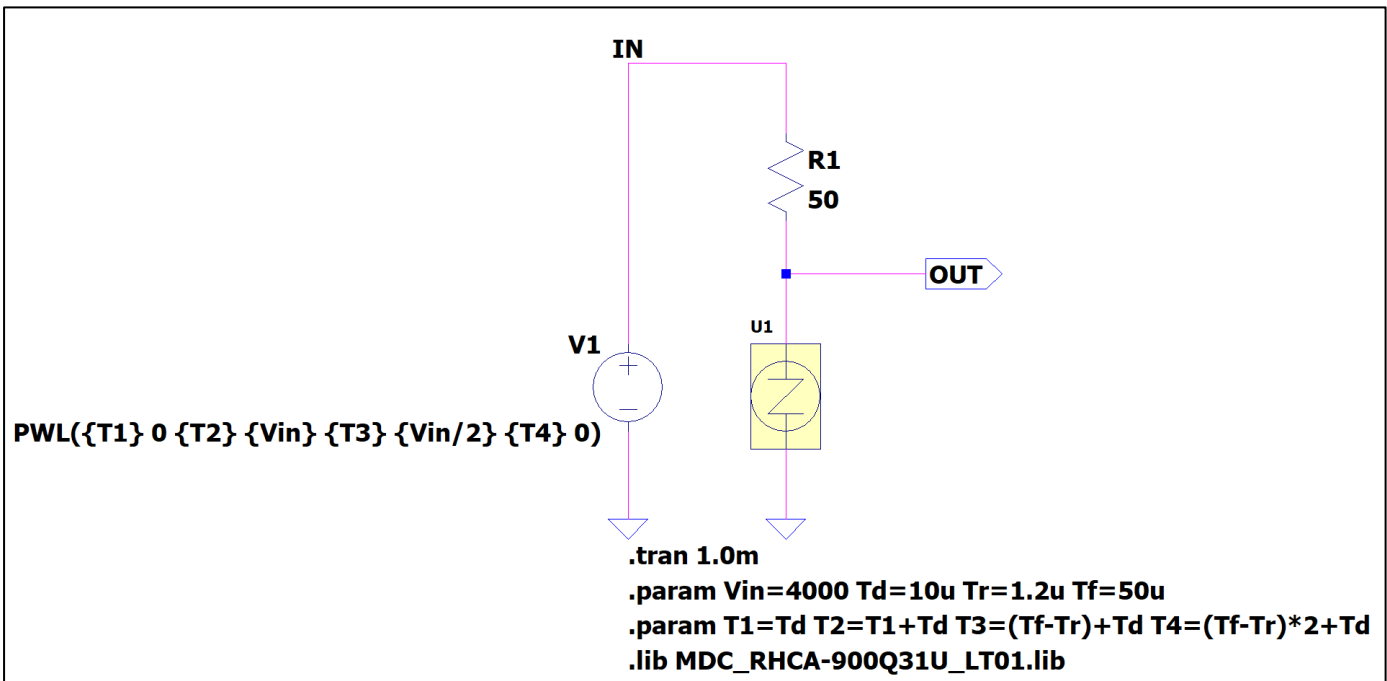
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Model Functions Table

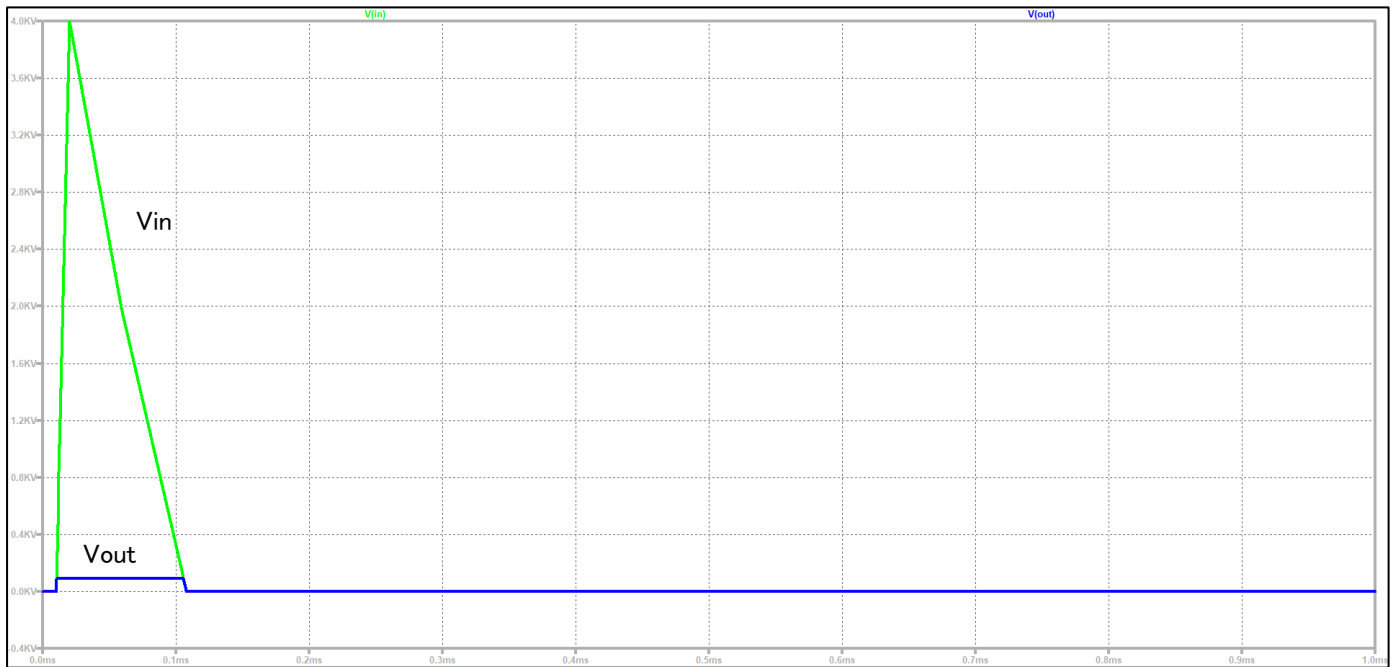
Functions	Implemented
DC Breakdown Voltage	○

DC breakdown voltage Operation (Vin = 4kV, Rin = 50ohm, Combination wave = 1.2u/50u) Testbench
Referred to Data Sheet



Simulation results are following.
Explanatory notes — : simulated

DC breakdown voltage Operation (Vin = 4kV, Rin = 50ohm, Combination wave = 1.2u/50u) Testbench



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