

LTspice Model

Surge Protective Device

SANKOSHA Corporation

SDH4-90

Model Information

Model A macro model
Call Name MDC_SDH4-90_LT
Pin Assign 1:P 2:N
File List Model Library MDC_SDH4-90_LT01.lib
 Model Report MDC_SDH4-90_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 SDH4-90
- Company name SANKOSHA Corporation

[Characteristics listed]

- Characteristics DC Breakdown Voltage

Simulation Condition

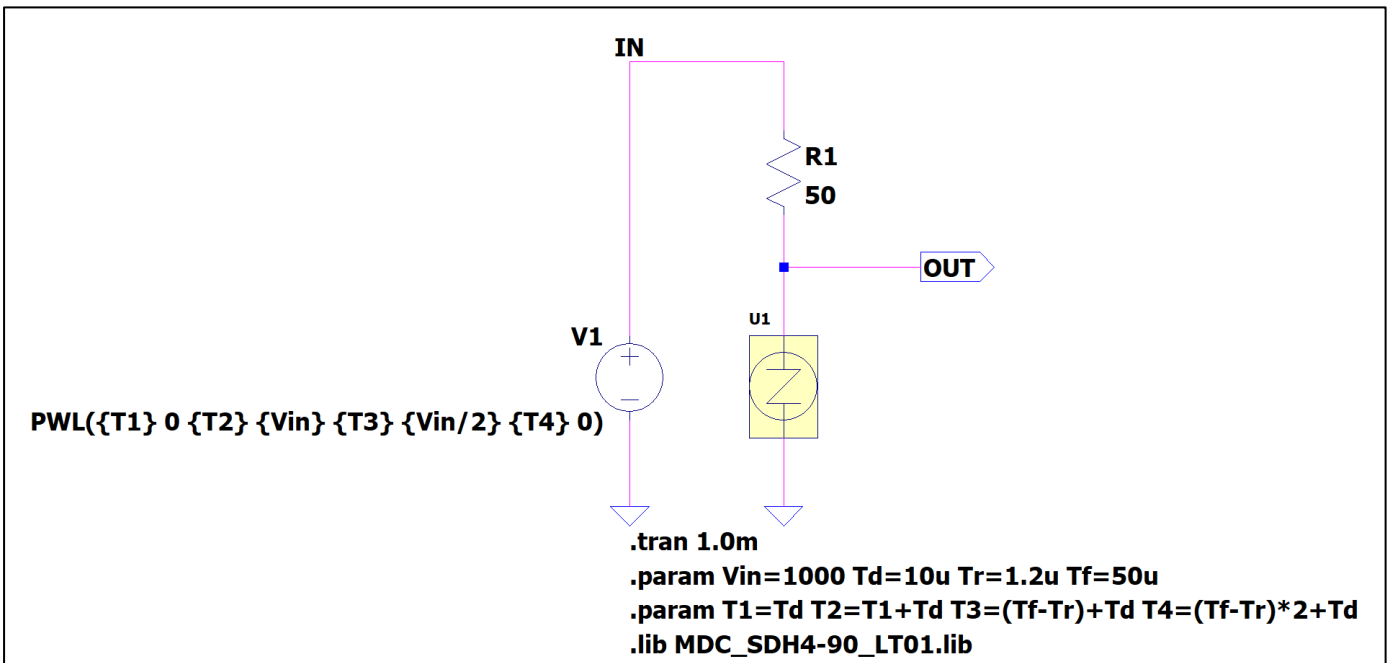
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Condition	Unit
Temperature	25	deg C

Model Functions Table

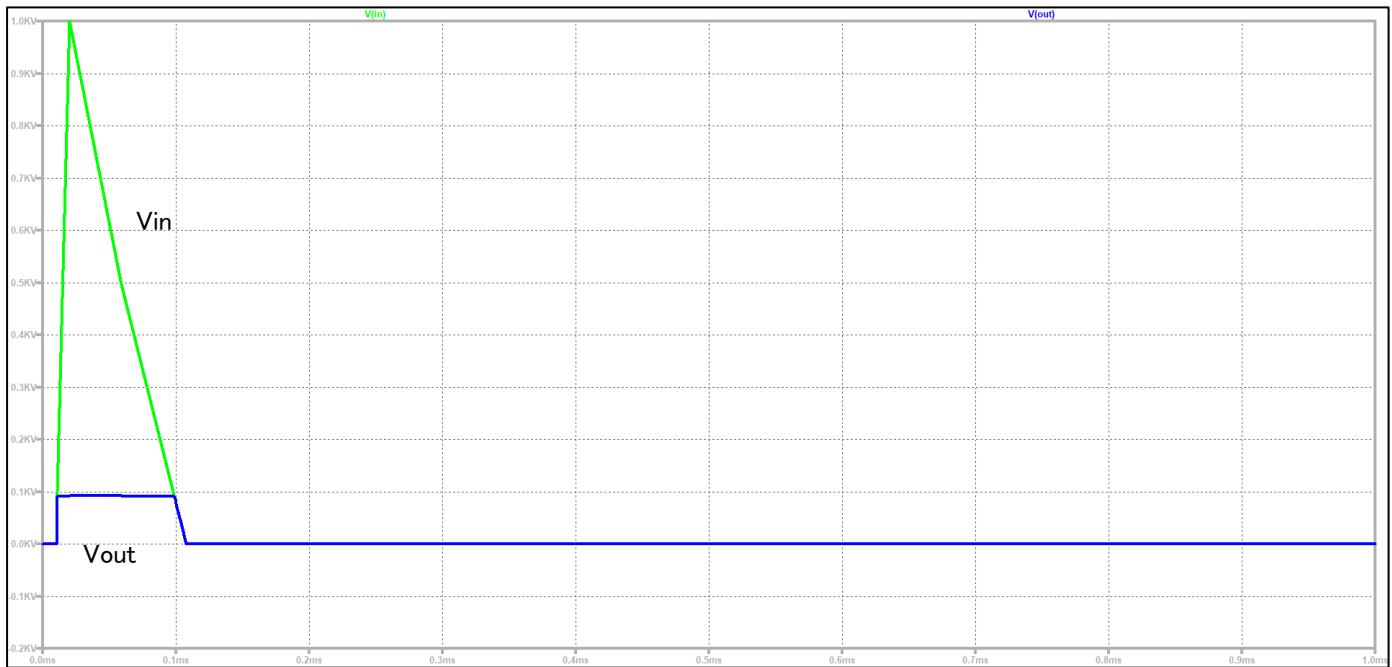
Functions	Implemented
DC Breakdown Voltage	○

DC breakdown voltage Operation (Vin = 1kV, Rin = 50ohm, Combination wave = 1.2u/50u) Testbench
Referred to Data Sheet



Simulation results are following.
Explanatory notes — : simulated

DC breakdown voltage Operation ($V_{in} = 1kV$, $R_{in} = 50\Omega$, Combination wave = $1.2\mu/50\mu$) Testbench



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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

URL:<http://www.modech.com/en/>