

LTspice Model

Thermistor

Bourns

MF-SM100

Model Information

Model A macro model
Call Name MDC_MF-SM100_LT
Pin Assign 1:No polarity 2:No polarity
File List Model Library MDC_MF-SM100_LT01.lib
 Model Report MDC_MF-SM100_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 REV. W, 09/19
- Product name MF-SM100
- Company name Bourns, Inc.
- Characteristics RrTemp[Ir], VrIr[Temp], TimeToTrip

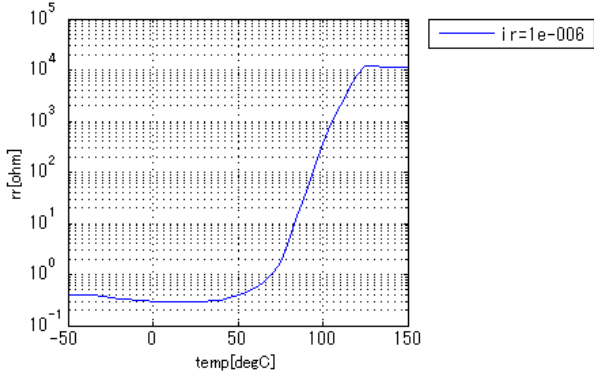
Simulation Range

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

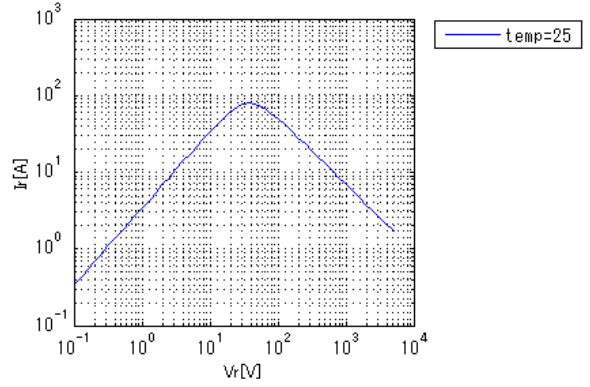
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	60	V
Temperature	-40	to	85	deg C

Simulation results are following.
 Explanatory notes — : simulated

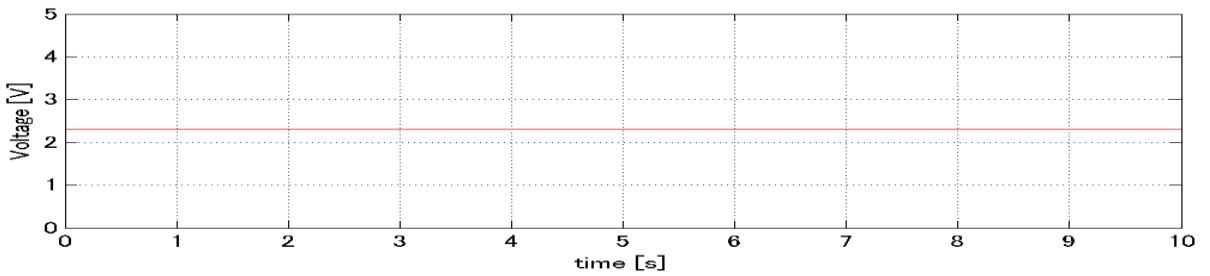
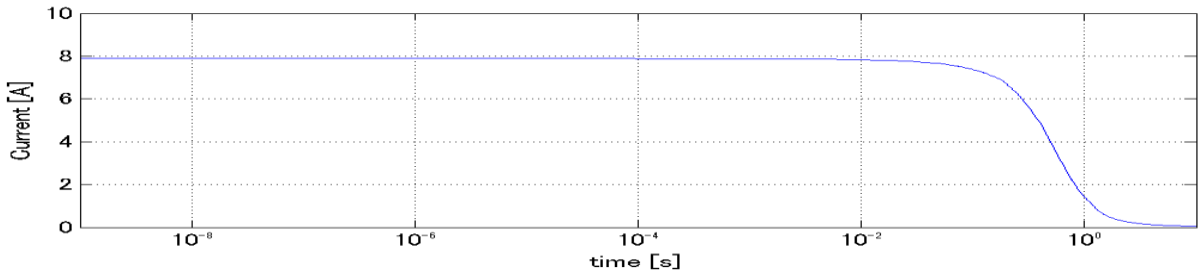
RrTemp[Ir]



VrIr[Temp]



TimeToTrip



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