

LTspice Model

Photo Relay

TOSHIBA

TLP3062A

Model Information

Model A macro model
Call Name MDC_TLP3062A_LT
Pin Assign 1:Anode 2:Cathode 3:NC 4:T2 6:T1
File List Model Library MDC_TLP3062A_LT.lib
 Model Report MDC_TLP3062A_LT.pdf(this file)
Verified Simulator Version LTspice XVII

Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 2019-11-18
- Product name TLP3062A
- Company name Toshiba Electronic Devices & Storage Corporation

[Characteristics listed]

- Characteristics
- IF-VF
- Von-Ion
- Ioff-Voff
- Switching

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

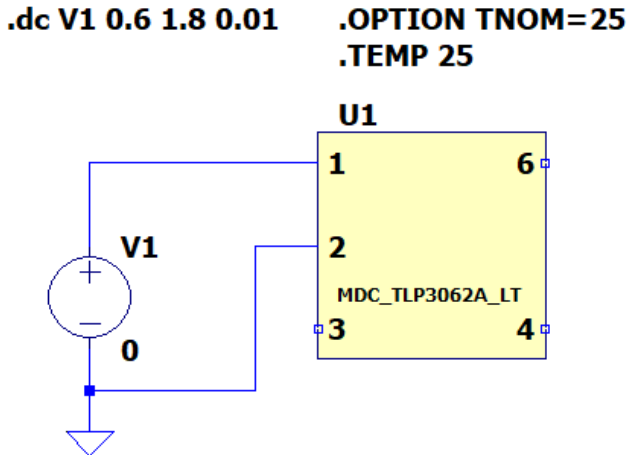
○ : Implemented
 × : Not Implemented
 — : Not applicable

Model Functions Table
RANK=1

Functions	RANK	Implemented
IF-VF-Temp	1	○
Ion-Von	1	○
Ioff-Voff	1	○
CJ-VR	1	—
Propagation delay	1	—
Switching (Typ.)	1	○

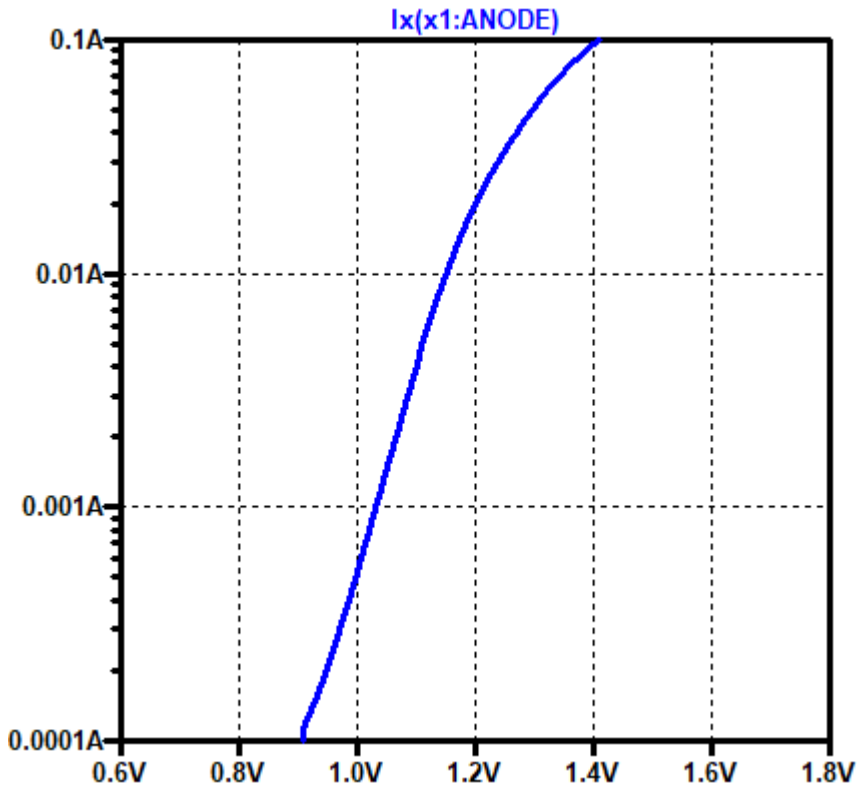
IF-VF Testbench

Referred to Data Sheet



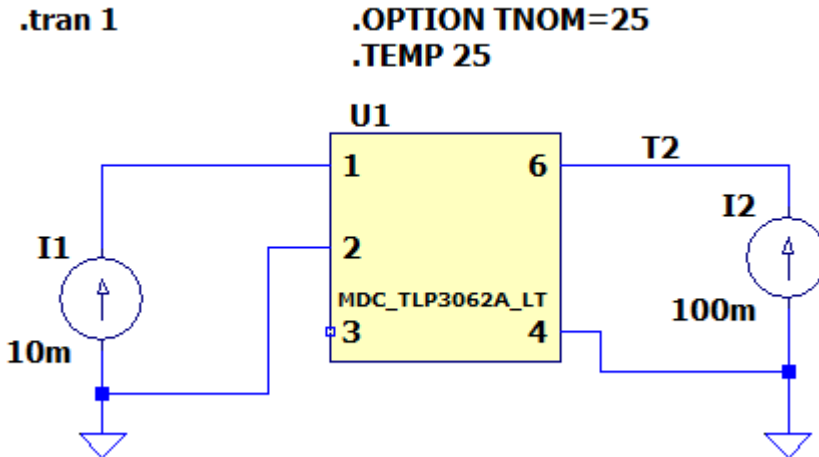
Simulation results are following.
 Explanatory notes — : simulated

IF-VF



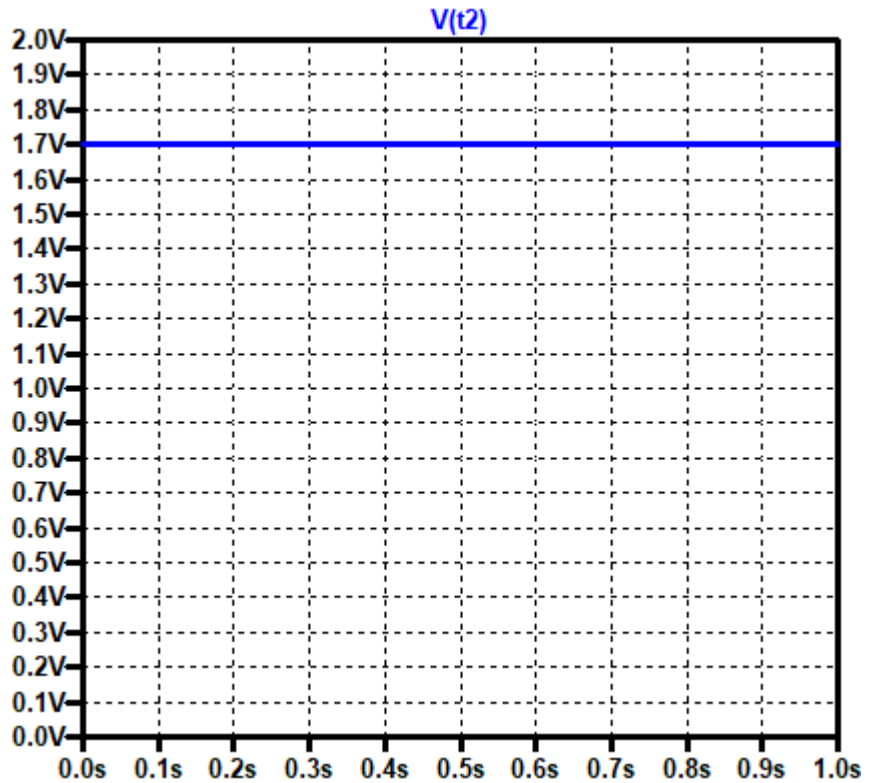
Von-Ion Testbench

Referred to Data Sheet



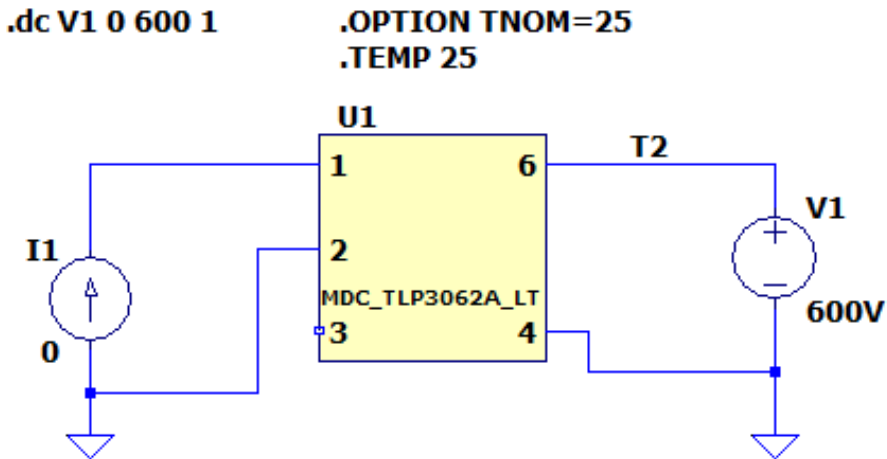
Simulation results are following.
Explanatory notes — : simulated

Von-Ion



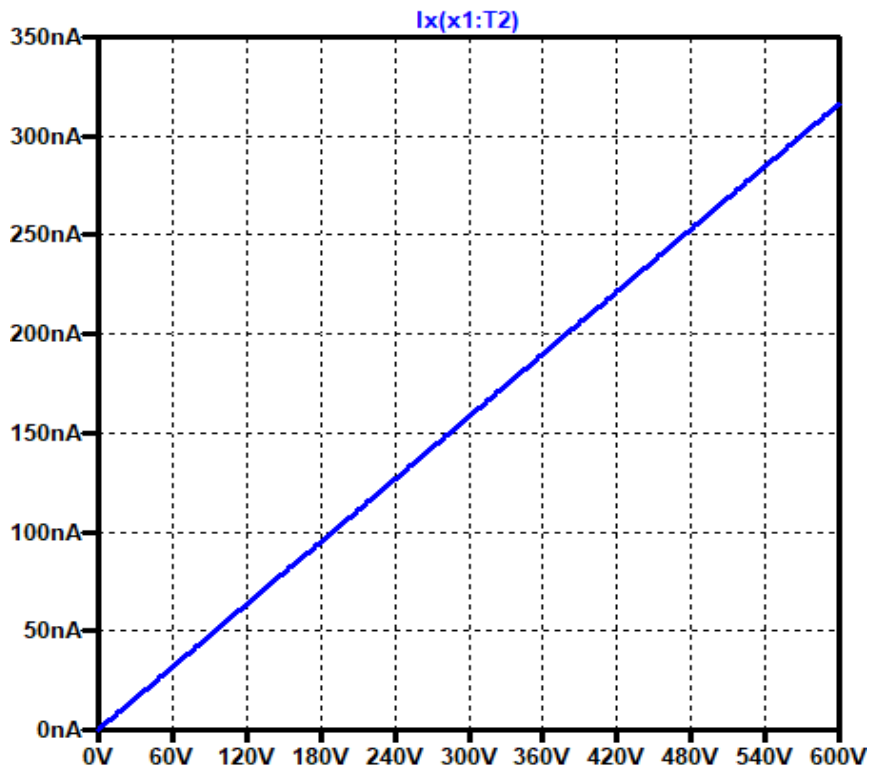
Ioff-Voff Testbench

Referred to Data Sheet

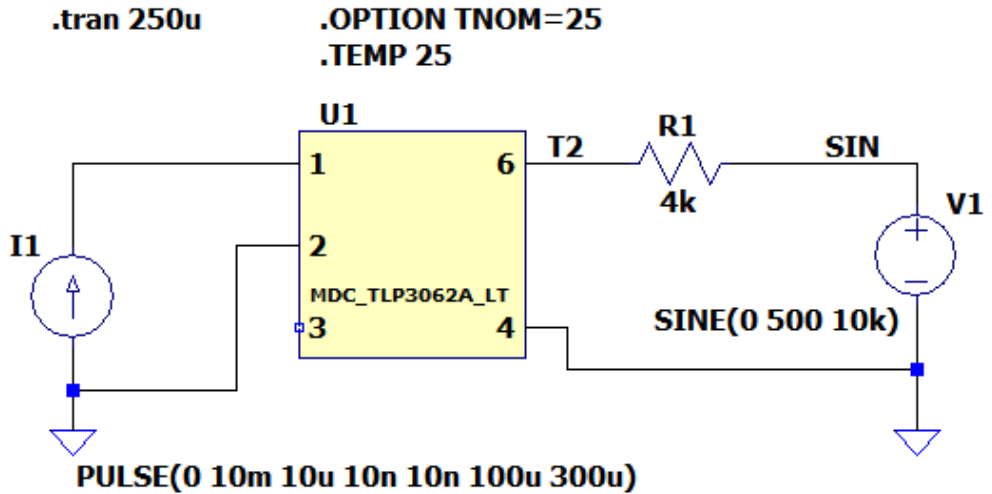


Simulation results are following.
 Explanatory notes — : simulated

Ioff-Voff

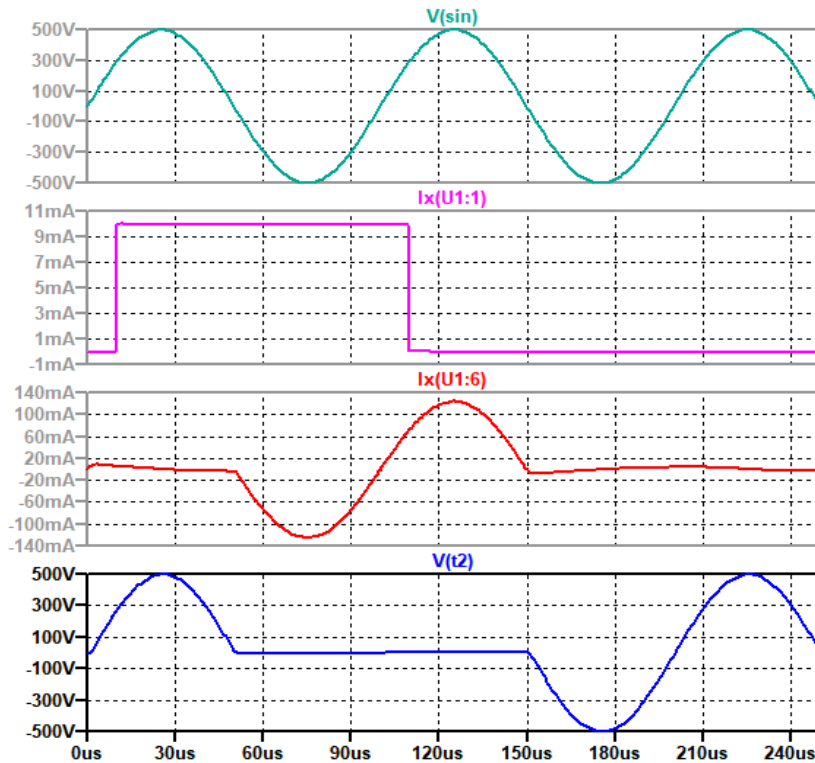


Switching Testbench
 Referred to Data Sheet



Simulation results are following.
 Explanatory notes — : simulated

Switching



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