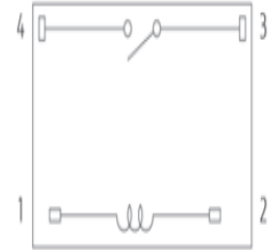


LTspice Model

Power Relay

OMRON

G6DN-1A_DC24



Model Information

Model An original macro model
Call Name MDC_G6DN-1A_DC24_LT
Pin Assign 1:1 2:2
File List Model Library MDC_G6DN-1A_DC24_LT01.lib
 Model Report MDC_G6DN-1A_DC24_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 G6DN-1A_DC24
- Company name OMRON Corporation
- Characteristics VtTemp[Vname],IfVf[Temp],IcontactVcontact(on),IcontactVcontact(off),SwitchingWaveform

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.	
Rated Voltage	24	to	24	V
Temperature	-40	to	90	deg C

Relay

○ : Implemented
 × : Not Implemented
 — : Not applicable

Model Functions Table

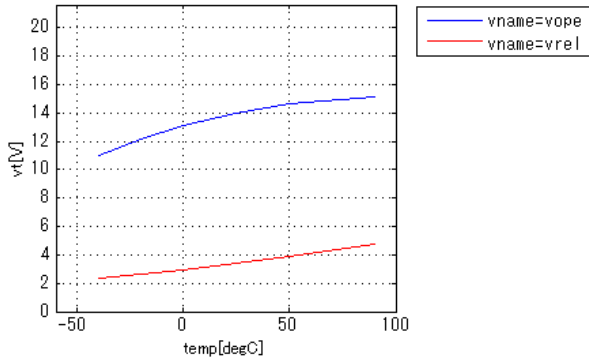
RANK=1

Functions	RANK	Implemented
Operating time Release time	1	○
Switching by polarity	1	○

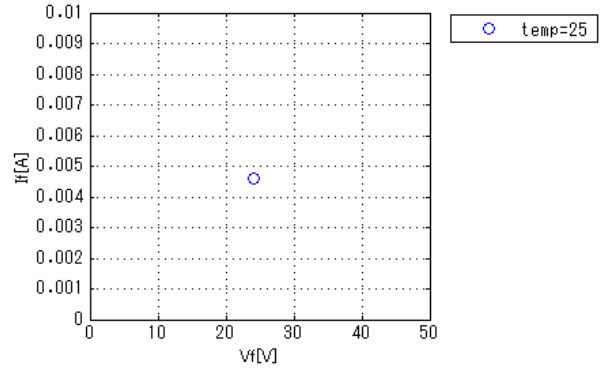
Simulation results are following.
 Explanatory notes — : simulated

VtTemp [OperatingV,ReleaseV]

vcc = 24, rload = 100

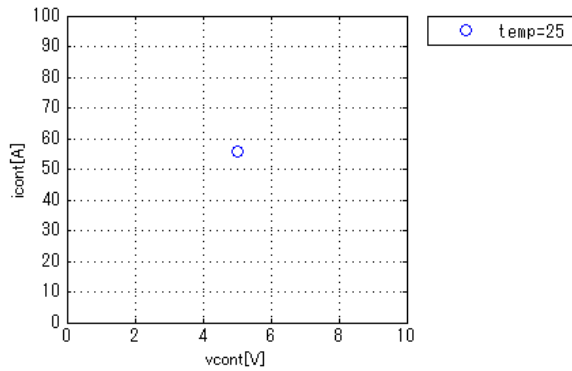


IfVf[Temp]



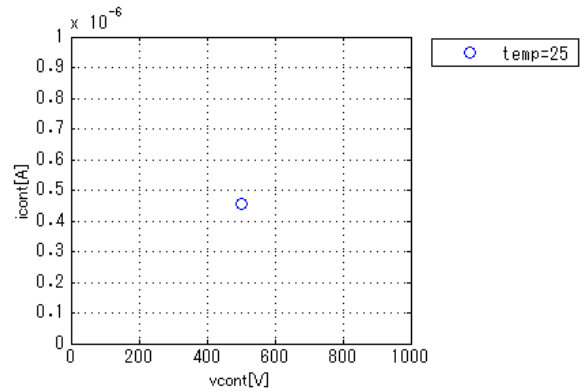
IcontactVcontact(on)

vf = 24



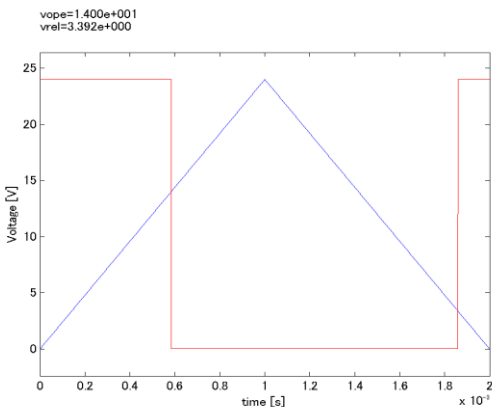
IcontactVcontact(off)

vf = 0



Switching Waveform (Blue : INPUT Red : OUTPUT)

Rload = 100ohm Temp ~ 25degC



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