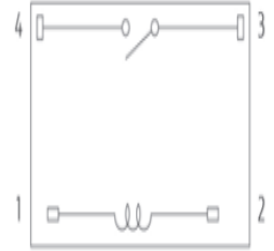


PSpice Model

Relay

Tyco

PCF-112D2M



Model Information

Model A macro model
Call Name MDC_PCF-112D2M_PS
Pin Assign 1:IN 2:IN 3:OUT 4:OUT
File List Model Library MDC_PCF-112D2M_PS01.lib
 Model Report MDC_PCF-112D2M_PS.pdf (this file)

Verified Simulator Version PSpice version 17.2
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Unknown
- Product name PCF-112D2M
- Company name Tyco Electronics Japan GK
- Characteristics VtTemp[Vname],IfVf[Temp],VcontIcont[Temp](on),IcontVcont[Temp](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	12	to	12	V
Temperature	-30	to	55	deg C

Relay

○ : Implemented
 × : Not Implemented
 — : Not applicable

Model Functions Table

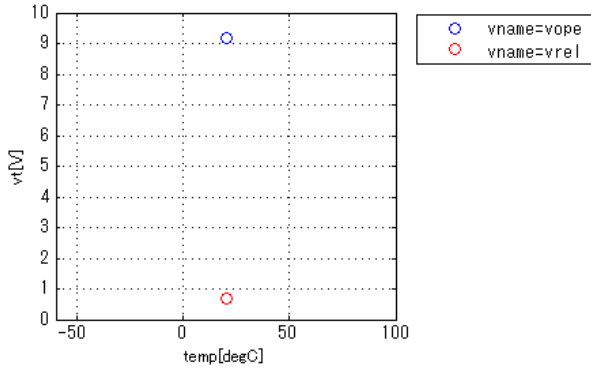
RANK=1

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

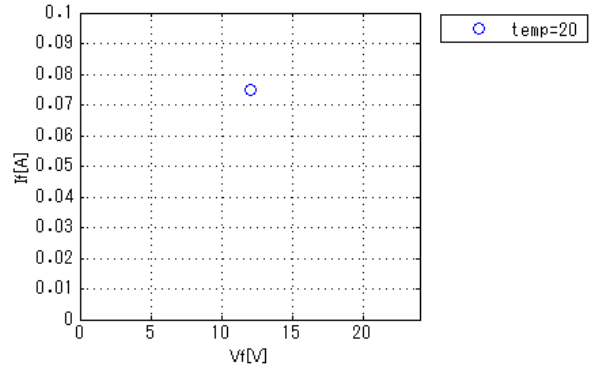
Simulation results are following.
 Explanatory notes — : simulated

VtTemp[Vname]

vcc = 12V, rload = 100ohm

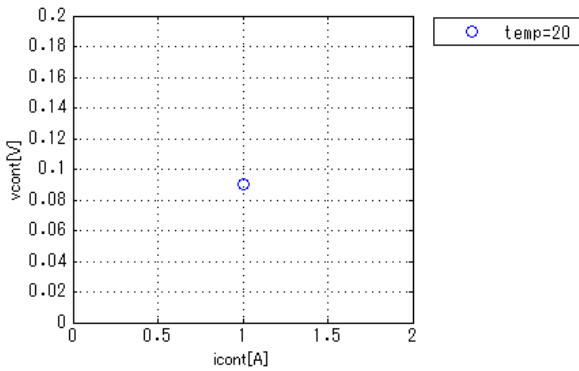


IfVf[Temp]



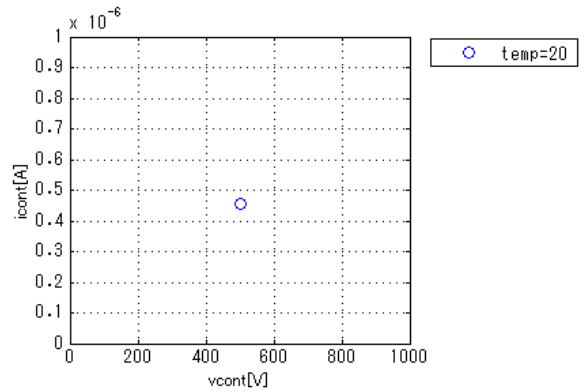
VcontIcont[Temp]

vf = 12V



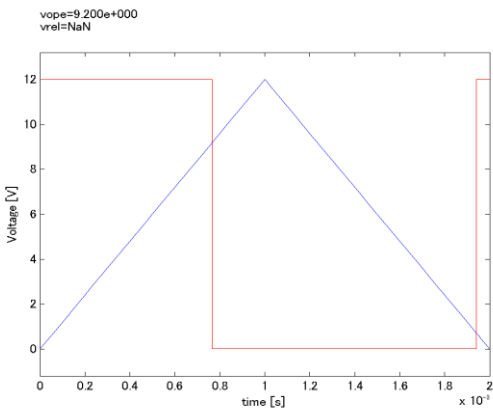
IcontVcont[Temp]

vf = 0V



Switching Waveform (Blue : INPUT Red : OUTPUT)

Rload = 100ohm Temp ~ 20degC



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