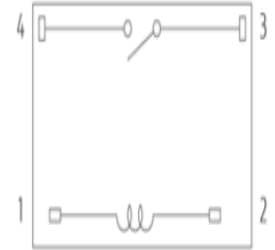


LTspice Model

Power Relay

Fujitsu Component

FTR-K3JB012W



Model Information

Model An original macro model
Call Name MDC_FTR-K3JB012W_LT
Pin Assign 1:1 2:2
File List Model Library MDC_FTR-K3JB012W_LT01.lib
 Model Report MDC_FTR-K3JB012W_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 July 13, 2011
- Product name FTR-K3JB012W
- Company name Fujitsu Component Limited
- Characteristics VtTemp[Vname],IfVf[Temp],IcontactVcontact(off),Switching Waveform

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	-40	to	60	deg C

Relay

○ : Implemented
 × : Not Implemented
 — : Not applicable

Model Functions Table

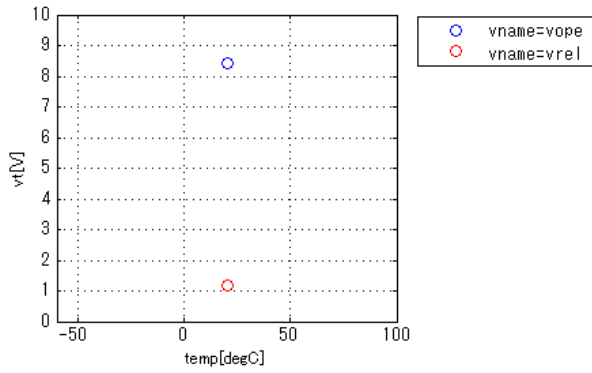
RANK=1

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

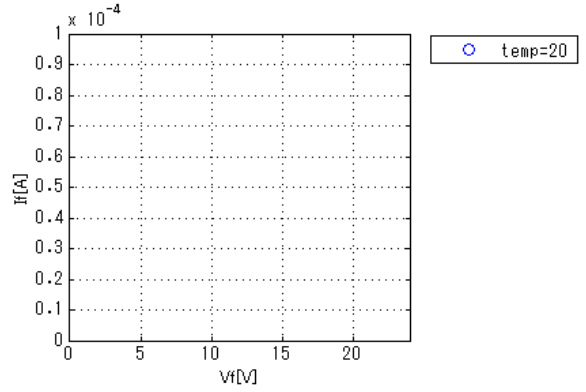
Simulation results are following.
 Explanatory notes — : simulated

VtTemp[Vname]

vcc = 12, rload = 100

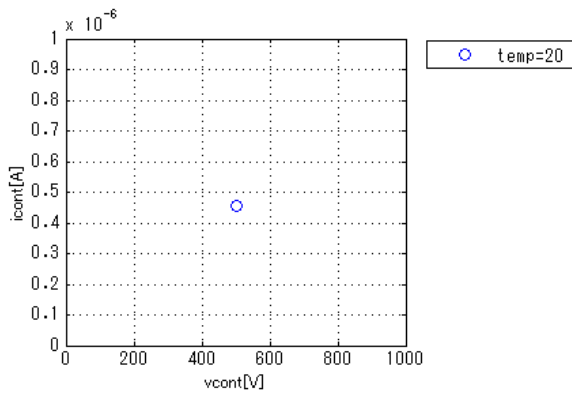


IfVf[Temp]



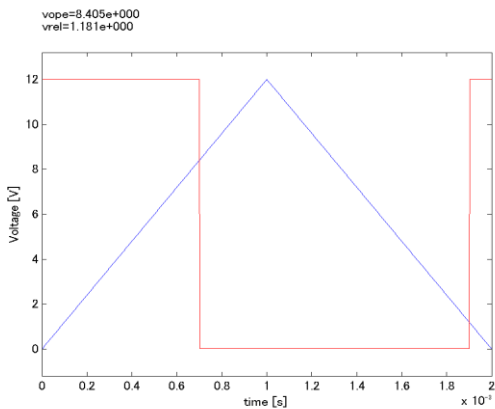
IcontactVcontact(off)

vf = 0



Switching Waveform (Blue : INPUT Red : OUTPUT)

Rload = 100ohm Temp ~ 25degC



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