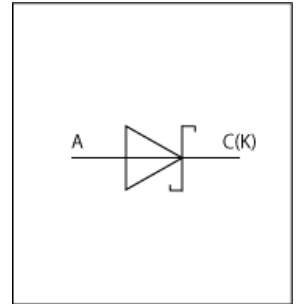


PSpice Model Schottky Diode TAIWAN SEMICONDUCTOR SS14M



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SS14M_PS
Pin Assign 1:A 2:C
File List Model Library MDC_SS14M_PS01.lib
 Model Report MDC_SS14M_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 Version:L15
- Product name SS14M
- Company name Taiwan Semiconductor Co., Ltd.
- Characteristics IfVf[Temp],IrrVr[Temp],CjVr,Surge Waveform (Forward)

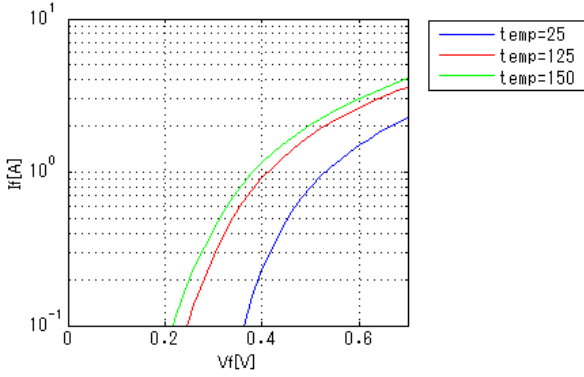
Simulation Range

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

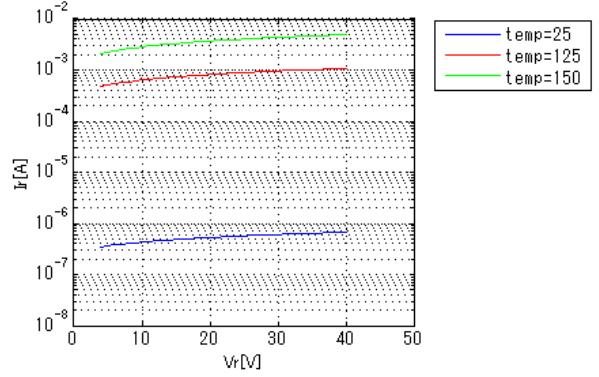
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	10	V
Reverse Voltage	0	to	80	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

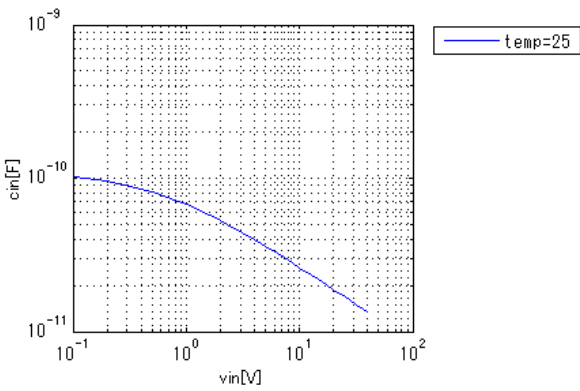


IrVr[Temp]

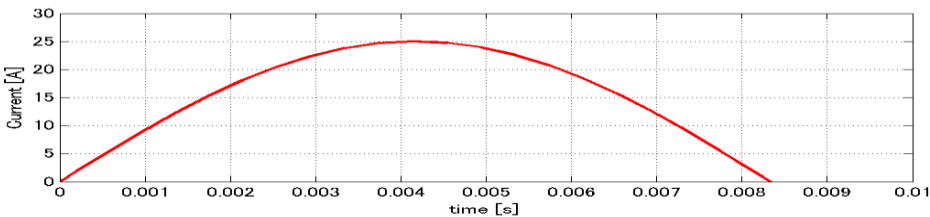
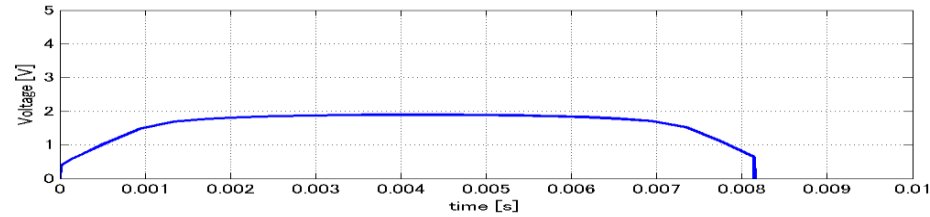


CjVr

Freq. = 1MHz



Surge Waveform (Forward)



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