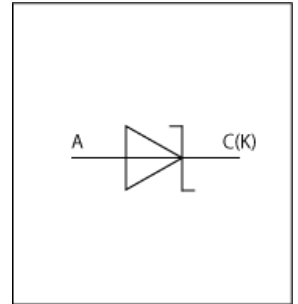


ADS Model Zener Diode Panasonic DZ2J150M0



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_DZ2J150M0_AD
Pin Assign 1:C 2:A
File List Model Library MDC_DZ2J150M0_AD.zip
 Model Report MDC_DZ2J150M0_AD.pdf (this file)

Verified Simulator Version ADS version 2020 update 2
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 12.Jul.2013 - Rev.3
- Product name DZ2J150M0
- Company name Panasonic Corporation
- Characteristics IfVf[Temp],IrVr[Temp],IrVr[Temp]2,CjVr, SurgeWaveform

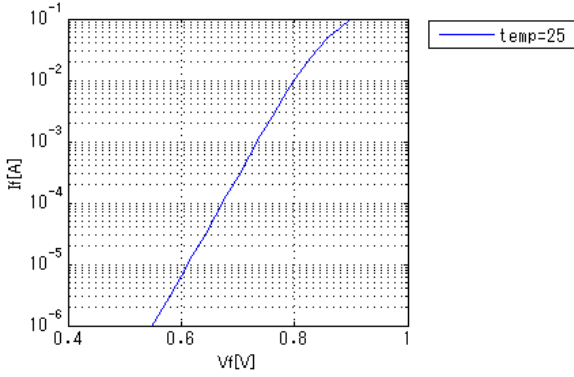
Simulation Range

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

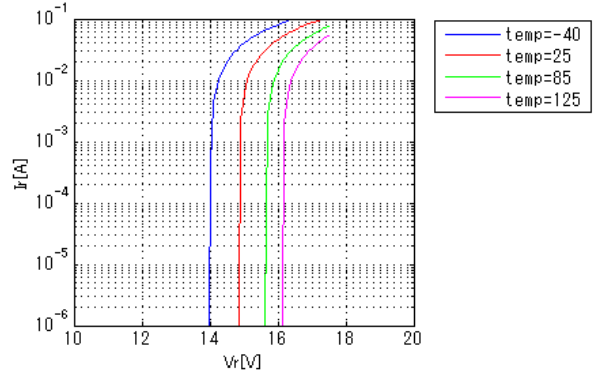
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	15	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

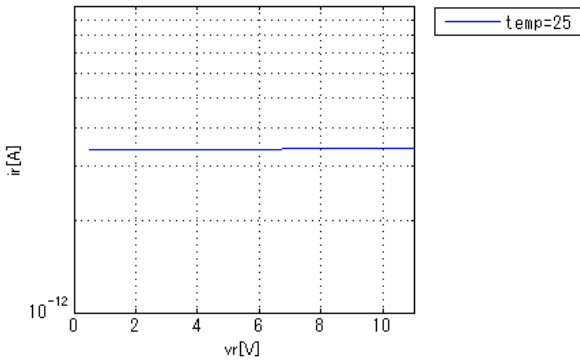
IfVf[Temp]



IrVr[Temp]

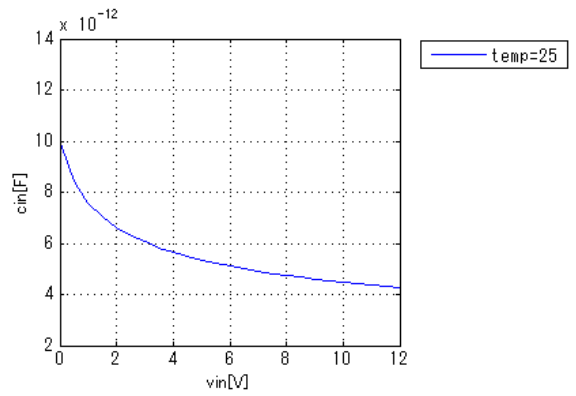


IrVr[Temp]2

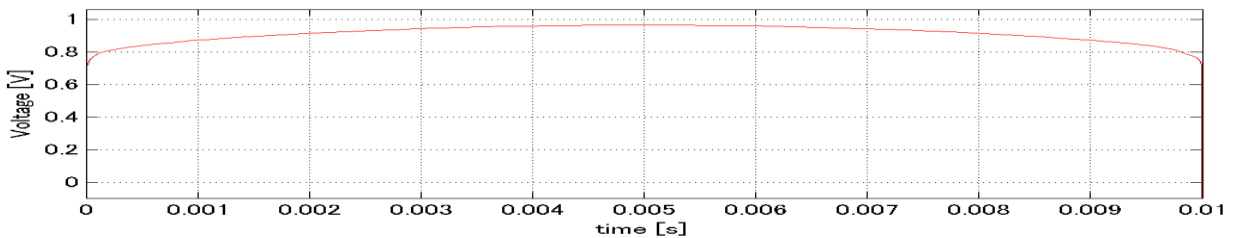
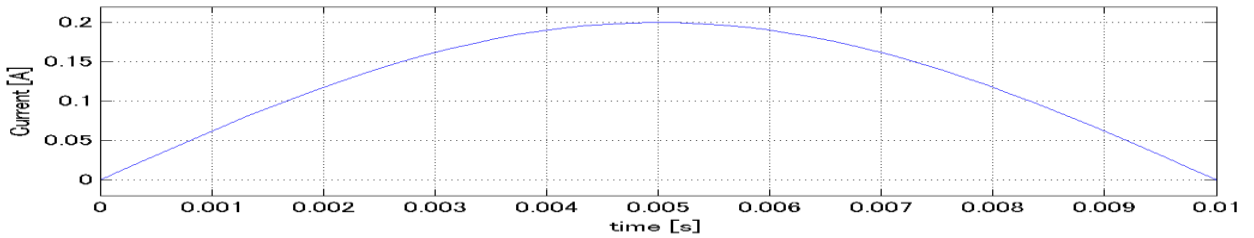


CjVr

Freq. = 1MHz



Surge Waveform (Forward)



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