

PSpice Model

ESD Protection Diode

Littelfuse

P6SMB36CA



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_P6SMB36CA_PS
Pin Assign 1:A 2:C
File List Model Library MDC_P6SMB36CA_PS01.lib
 Model Report MDC_P6SMB36CA_PS.pdf (this file)

Verified Simulator Version PSpice version 16.6
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 04/13/16
- Product name P6SMB36CA
- Company name Littelfuse, Inc.
- Characteristics IfVf[Temp],CjVr,IrVr(Breakdown)

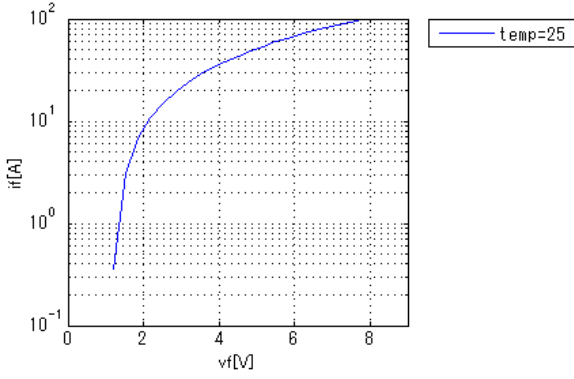
Simulation Range

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	78	V
Reverse Voltage	0	to	72	V
Temperature	-65	to	175	deg C

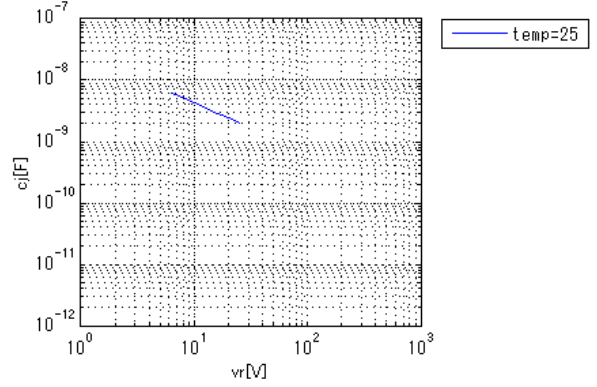
Simulation results are following.
 Explanatory notes — : simulated

IfVf[Temp]

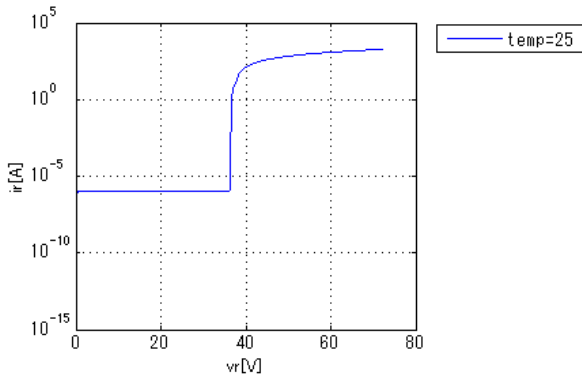


CjVr

Freq. = 1MHz



IrVr(Breakdown)



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