

PSpice Model ESD Protection Diode TI TPD4E001DRLR

Model Information

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC_TPD4E001DRLR_PS

 Pin Assign
 1:IO1 2:IO2 3:GND 4:IO3 5:IO4 6:VCC

 File List
 Model Library
 MDC_TPD4E001DRLR_PS00.lib

 Model Report
 MDC_TPD4E001DRLR_PS.pdf (this file)

Verified Simulator Version Note

PSpice version 16.6

References

The information which was used for modeling is as follow:

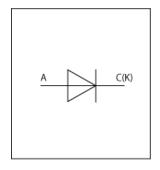
[Data Sheet] • Date/Vers

ala Oneelj	
Date/Version	Jul. 2019
Product name	TPD4E001DRLR
Company name	Texas Instruments Inc.
Characteristics	lfVf[Temp],IrVr[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.

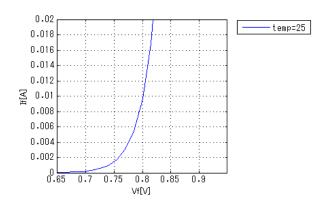
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	22	V
Temperature	-65	to	150	deg C



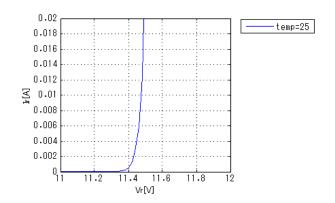


Simulation results are following. Explanatory notes -: simulated

lfVf[Temp]

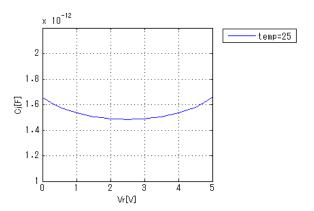


IrVr[Temp]

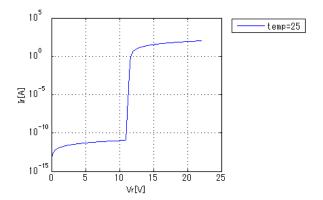


CjVr

Freq. = 10MHz



IrVr(Breakdown)





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