

# LTspice Model ESD Protection Diode Littelfuse P6SMB36CA

## **Model Information**

 Model
 A macro model based on general SPICE diode model

 Call Name
 MDC\_P6SMB36CA\_LT

 Pin Assign
 1:A 2:C

 File List
 Model Library
 MDC\_P6SMB36CA\_LT01.lib

 Model Report
 MDC\_P6SMB36CA\_LT.pdf (this file)

Verified Simulator Version Note

LTspice version XVII

#### References

The information which was used for modeling is as follow:

[Data Sheet]

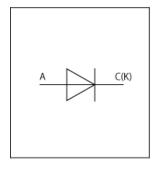
Date/Version
Product name
Company name
Characteristics

04/13/16 P6SMB36CA Littelfuse, Inc. 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.

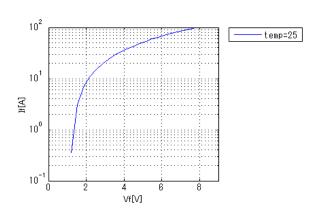
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	78	V
Reverse Voltage	0	to	72	V
Temperature	-65	to	175	deg C



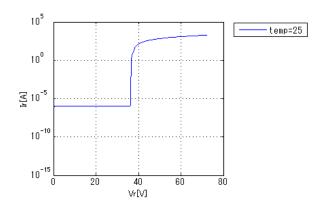


# Simulation results are following. Explanatory notes -: simulated

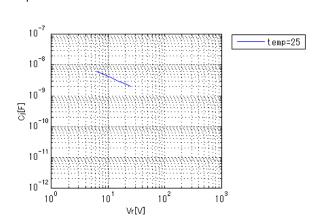
### lfVf[Temp]



### IrVr(Breakdown)



**CjVr** Freq. = 1MHz





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