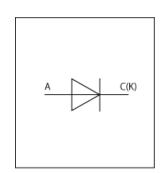


# PSpice Model Rectifier Diode LITE-ON 1N4007G



#### **Model Information**

Model A macro model based on general SPICE diode model

Call Name MDC\_1N4007G\_PS

Pin Assign 1:A 2:C

File List Model Library MDC\_1N4007G\_PS01.lib

Model Report MDC\_1N4007G\_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/Version REV. 6, Sep-2012

● Product name 1N4007G

Company name Lite-On Semiconductor Corp.Characteristics CjVr,IfVf[Temp],IrVr[Temp]

#### Simulation Range

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

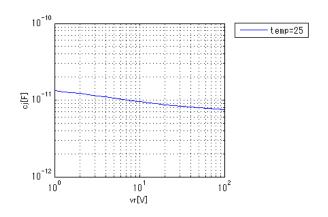
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	16	V
Temperature	-55	to	150	deg C



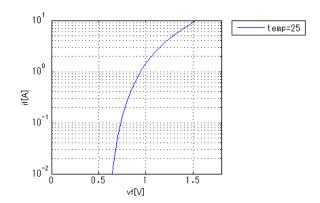
Simulation results are following. Explanatory notes — : simulated

## CjVr

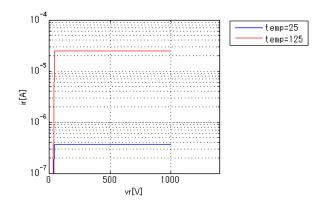
Freq. = 1MHz



## IfVf[Temp]



## IrVr[Temp]





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