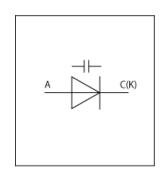


LTspice Model Variable Capacitance Diode TOSHIBA 1SV304



Model Information

Model A macro model based on general SPICE diode model

Call Name MDC_1SV304_LT

Pin Assign 1:A 2:C

File List Model Library MDC_1SV304_LT01.lib

Model Report MDC_1SV304_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 2014-03-01Product name 1SV304

Company name Toshiba Corporation

Characteristics CiVr

Simulation Range

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

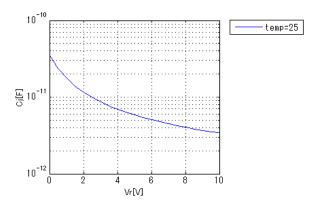
Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	20	V
Temperature	-55	to	125	deg C



Simulation results are following. Explanatory notes — : simulated

CjVr

Freq. = 1MHz





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MoDeCH Inc.

Head Office

Location: Mitsuiseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:model-on-support@modech.co.jp

URL:http://www.modech.com/en/