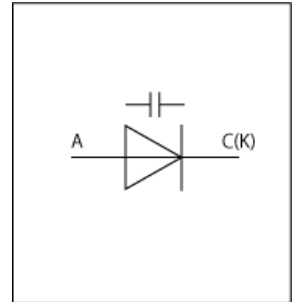


LTspice Model

Variable Capacitance Diode

NXP

BBY40



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_BBY40_LT
Pin Assign 1:A 2:C
File List Model Library MDC_BBY40_LT01.lib
 Model Report MDC_BBY40_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version 1996 May 03
- Product name BBY40
- Company name NXP Semiconductors N.V.
- Characteristics CjVr

Simulation Range

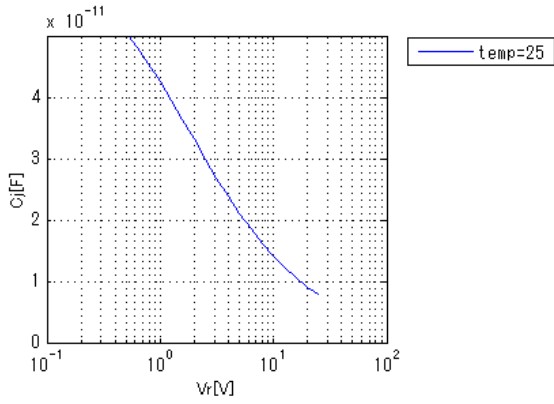
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	60	V
Temperature	-55	to	150	deg C

Simulation results are following.
 Explanatory notes — : simulated

CjVr

Freq. = 1MHz



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