

# PSpice Model Schottky Diode TOSHIBA CMS20I40A



## Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_CMS20I40A\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_CMS20I40A\_PS01.lib  
 Model Report MDC\_CMS20I40A\_PS.pdf (this file)

**Verified Simulator Version** PSpice version 16.6  
**Note**

## References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Rev.3.0
- Product name CMS20I40A
- Company name Toshiba Corporation
- Characteristics IfVf[Temp],CjVr

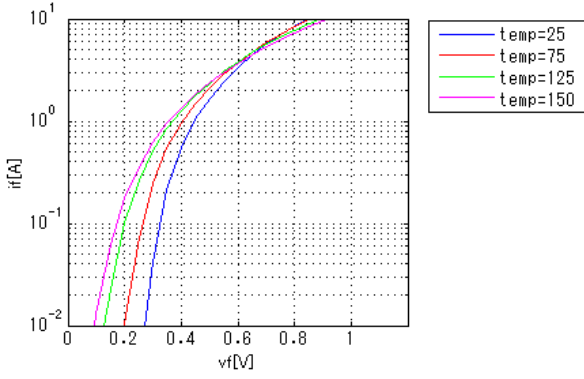
## Simulation Range

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

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12	V
Reverse Voltage	0	to	80	V
Temperature	-55	to	150	deg C

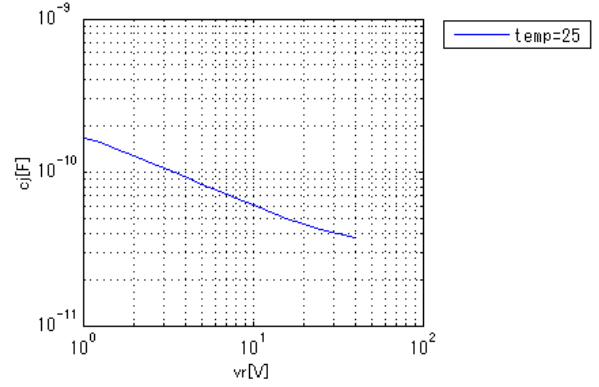
Simulation results are following.  
 Explanatory notes — : simulated

**IfVf[Temp]**



**CjVr**

Freq. = 1MHz



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