

# PSpice Model

## Fast Recovery Diode

### TOSHIBA

### CRF03



#### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_CRF03\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_CRF03\_PS01.lib  
 Model Report MDC\_CRF03\_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 2013-11-01
- Product name CRF03
- Company name Toshiba Corporation
- Characteristics IfVf[Temp]

#### Simulation Range

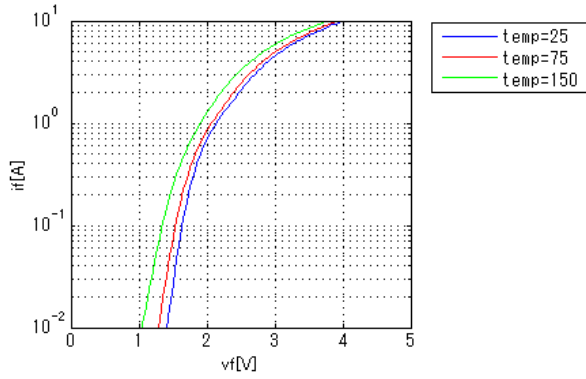
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	40	V
Reverse Voltage	0	to	1200	V
Temperature	-40	to	150	deg C

Simulation results are following.

Explanatory notes — : simulated

### IfVf[Temp]



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