

# PSpice Model

## Rectifier Diode

### HITACHI

### DSA3A



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_DSA3A\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_DSA3A\_PS01.lib  
 Model Report MDC\_DSA3A\_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]

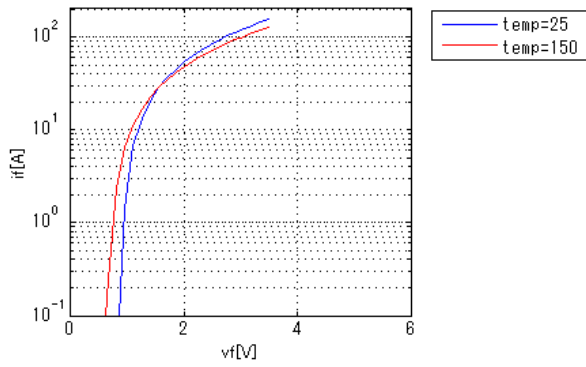
- Date/Version None
- Product name DSA3A
- Company name Hitachi Power Semiconductor Device, Ltd.
- Characteristics IfVf[Temp]

### 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	35	V
Reverse Voltage	0	to	200	V
Temperature	-40	to	150	deg C

Simulation results are following.  
Explanatory notes — : simulated

**IfVf[Temp]**

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