

# PSpice Model

## ESD Protection Diode

### VISHAY

### SMC3K33CAHM3



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_SMC3K33CAHM3\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_SMC3K33CAHM3\_PS01.lib  
 Model Report MDC\_SMC3K33CAHM3\_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]

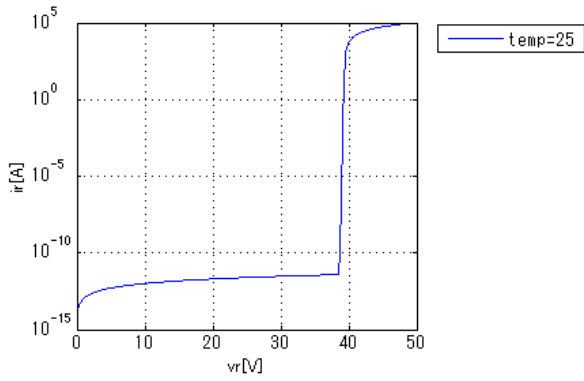
- Date/Version 22-Sep-14
- Product name SMC3K33CAHM3
- Company name Vishay Intertechnology, Inc.
- Characteristics IrVr(Breakdown)

### 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	77.3	V
Temperature	-55	to	150	deg C

Simulation results are following.  
Explanatory notes — : simulated

**IrVr(Breakdown)**

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