

# PSpice Model Schottky Diode VISHAY SS10PH45HM3



## Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_SS10PH45HM3\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_SS10PH45HM3\_PS01.lib  
 Model Report MDC\_SS10PH45HM3\_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 01-Dec-14
- Product name SS10PH45HM3
- Company name Vishay Intertechnology, Inc.
- Characteristics IrVr[Temp],CjVr,IfVf[Temp]

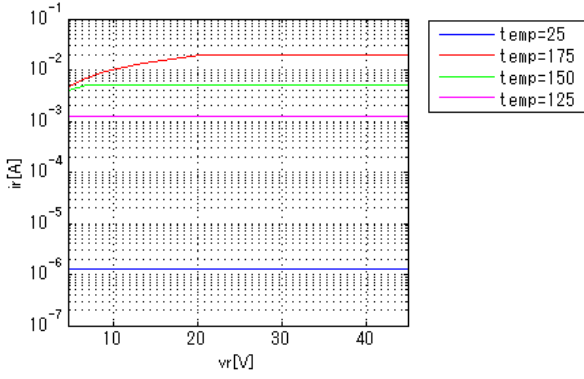
## Simulation Range

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	8	V
Reverse Voltage	0	to	90	V
Temperature	-55	to	175	deg C

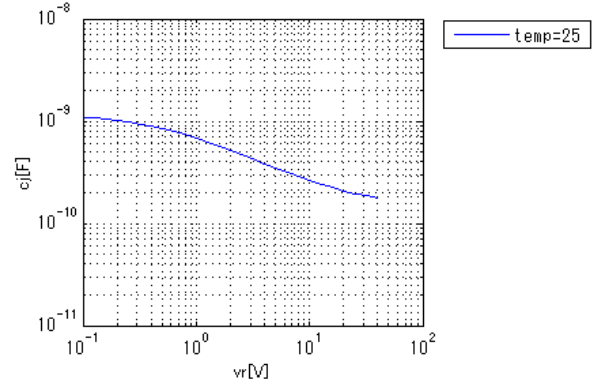
Simulation results are following.  
 Explanatory notes — : simulated

**IrVr[Temp]**

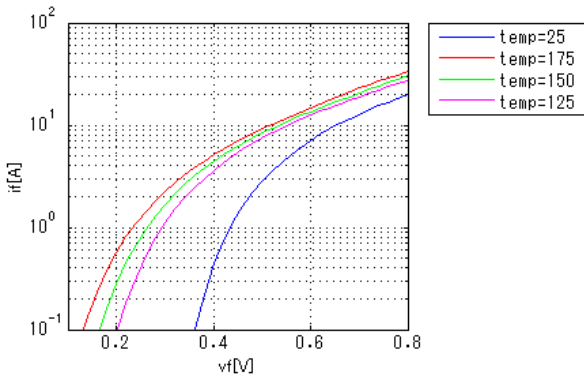


**CjVr**

Freq. = 1MHz



**IfVf[Temp]**



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