

# PSpice Model

## Switching Diode

### Diodes

### BAL99



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_BAL99\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_BAL99\_PS01.lib  
 Model Report MDC\_BAL99\_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. 16 - 2
- Product name BAL99
- Company name Diodes Incorporated
- Characteristics IfVf[Temp],IrVr[Temp],CjVr,Trr

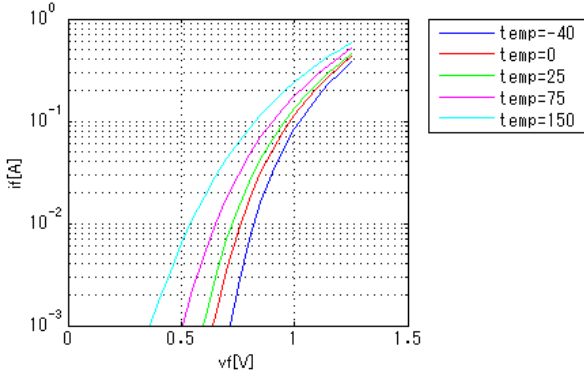
### Simulation Range

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

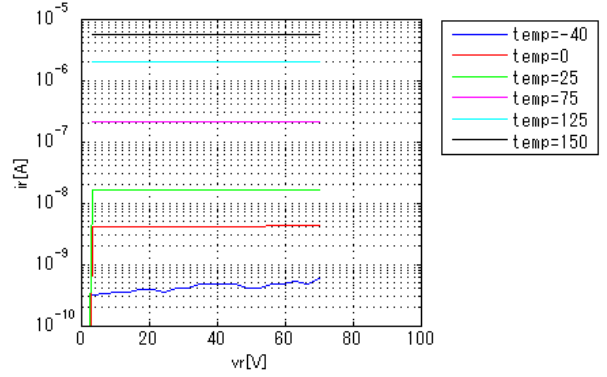
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	12.5	V
Reverse Voltage	0	to	150	V
Temperature	-65	to	150	deg C

Simulation results are following.  
 Explanatory notes — : simulated

**IfVr[Temp]**

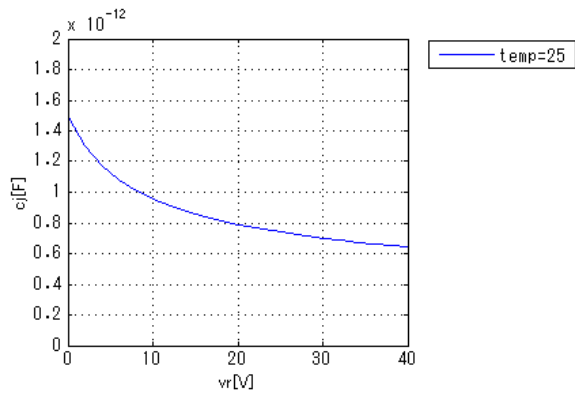


**IrVr[Temp]**

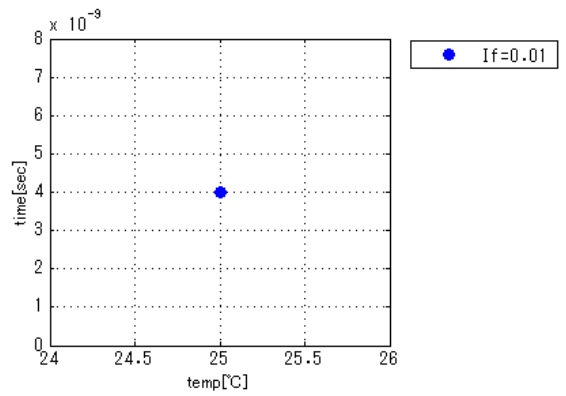


**CjVr**

Freq. = 1MHz



**Trr**



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