

# PSpice Model

## Zener Diode

### RENESAS

### RKZ9.1B2KK



#### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_RKZ9\_1B2KK\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_RKZ9\_1B2KK\_PS01.lib  
 Model Report MDC\_RKZ9\_1B2KK\_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]

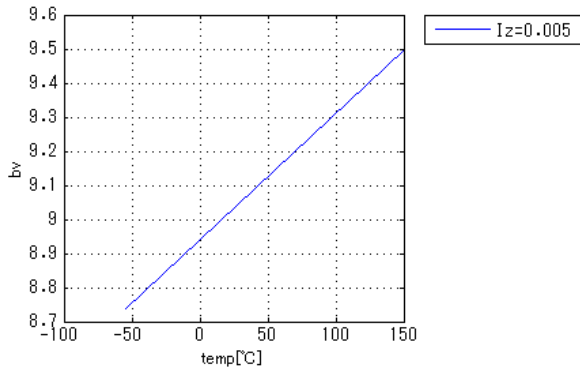
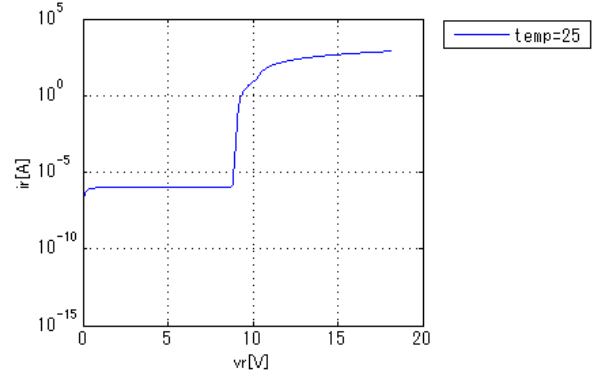
- Date/Version Rev.1.00
- Product name RKZ9.1B2KK
- Company name Renesas Electronics Corporation
- Characteristics BvTemp,IrVr(Breakdown)

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

Simulation results are following.  
Explanatory notes — : simulated

**BvTemp****IrVr(Breakdown)**

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