

# PSpice Model

## Zener Diode

### RENESAS

### HZU5.1B1



#### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_HZU5\_1B1\_PS  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_HZU5\_1B1\_PS01.lib  
 Model Report MDC\_HZU5\_1B1\_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.7, Dec. 2002
- Product name HZU5.1B1
- Company name Renesas Electronics Corporation
- Characteristics BvTemp,IrVr(Breakdown)

#### Simulation Range

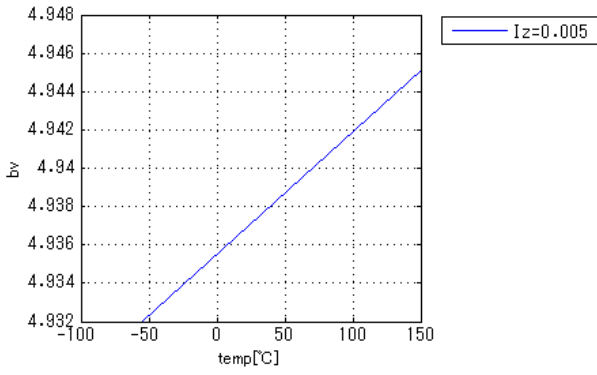
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Reverse Voltage	0	to	9.88	V
Temperature	-55	to	150	deg C

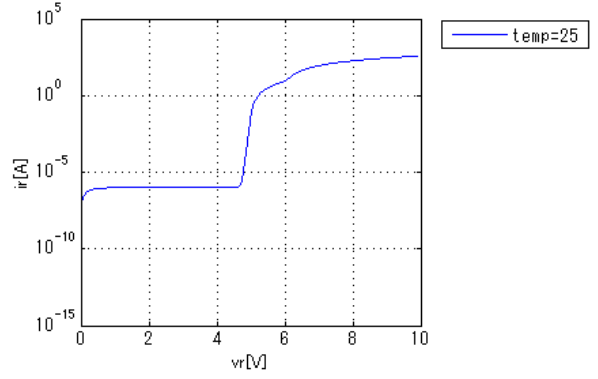
Simulation results are following.

Explanatory notes — : simulated

### BvTemp



### IrVr(Breakdown)



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