

# LTspice Model

## Zener Diode

### SanKen

### SZ-10N27



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_SZ-10N27\_LT  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_SZ-10N27\_LT01.lib  
 Model Report MDC\_SZ-10N27\_LT.pdf (this file)

**Verified Simulator Version** LTspice version XVII  
**Note**

### References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version Rev.1.0 2015.10.16
- Product name SZ-10N27
- Company name Sanken Electric Co., Ltd.
- Characteristics IfVf[Temp],Irvr[Temp],BvTemp,Irvr(Breakdown)

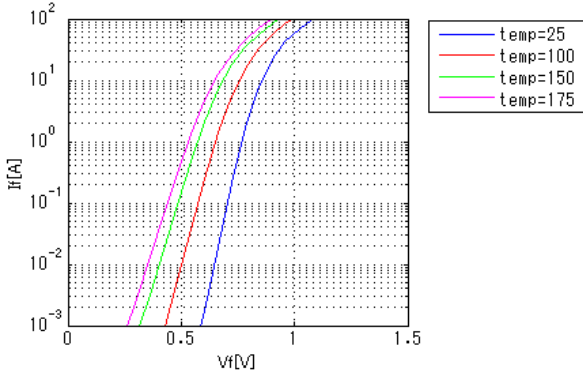
### Simulation Range

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

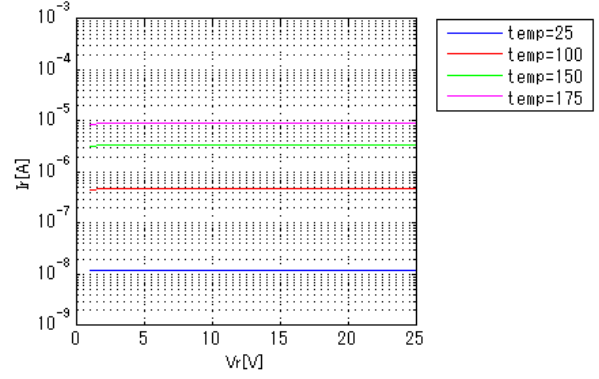
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	15	V
Reverse Voltage	0	to	54	V
Temperature	-55	to	175	deg C

Simulation results are following.  
 Explanatory notes — : simulated

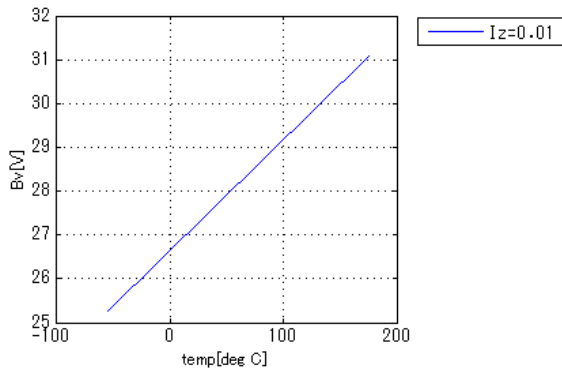
**IfVf[Temp]**



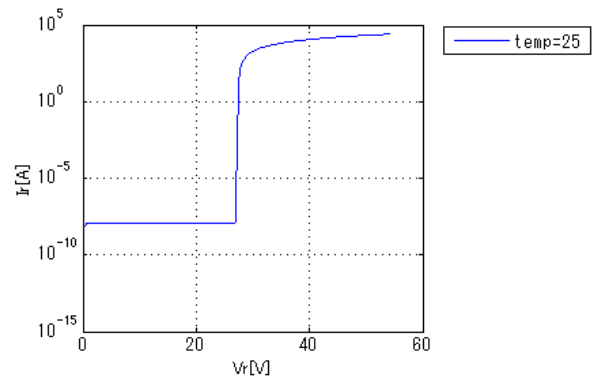
**IrVr[Temp]**



**BvTemp**



**IrVr(Breakdown)**



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