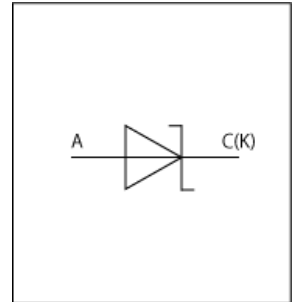


# LTspice Model

## Zener Diode

### ROHM

### UDZSTF15B



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_UDZSTF15B\_LT  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_UDZSTF15B\_LT01.lib  
 Model Report MDC\_UDZSTF15B\_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 2012.02 - Rev.D
- Product name UDZSTF15B
- Company name ROHM Co., Ltd.
- Characteristics IrVr[Temp],CjVr,IrVr(Breakdown)

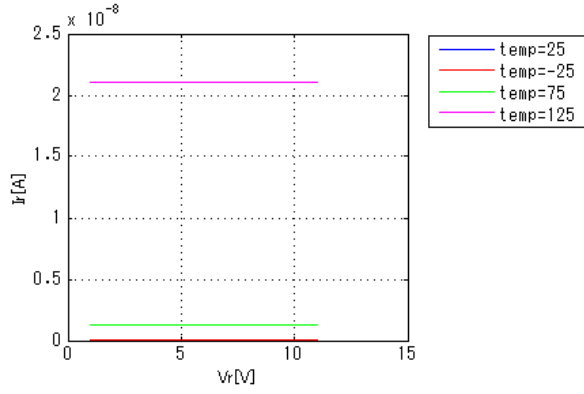
### Simulation Range

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 | 29   | V     |
| Temperature     | -55   | to | 150  | deg C |

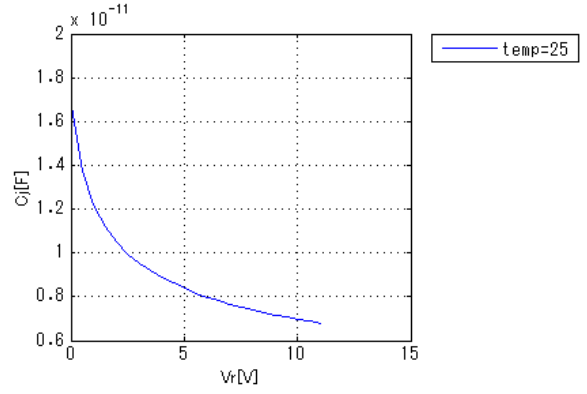
Simulation results are following.  
 Explanatory notes — : simulated

**IrVr[Temp]**

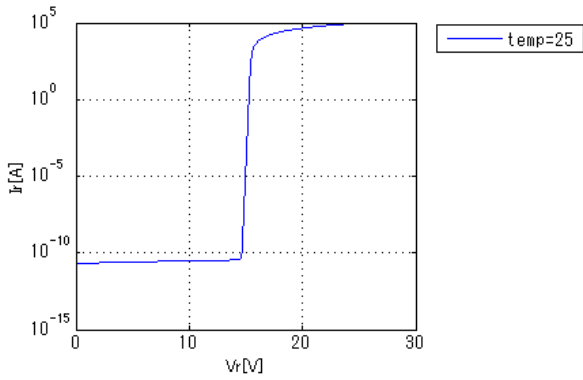


**CjVr**

Freq. = 1MHz



**IrVr(Breakdown)**



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