

# LTspice Model

## Fast Recovery Diode

### SHINDENGEN

### DF10L60



#### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_DF10L60\_LT  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_DF10L60\_LT01.lib  
 Model Report MDC\_DF10L60\_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 None
- Product name DF10L60
- Company name Shindengen Electric Manufacturing Co., Ltd.
- Characteristics IfVf[Temp],CjVr

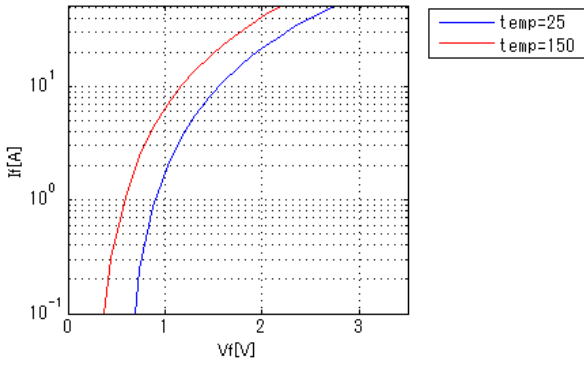
#### Simulation Range

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 | 32    | V     |
| Reverse Voltage | 0     | to | 1,200 | V     |
| Temperature     | -55   | to | 150   | deg C |

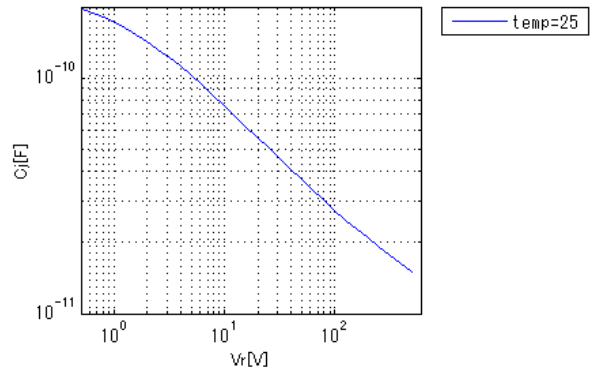
Simulation results are following.  
 Explanatory notes — : simulated

**IfVf[Temp]**



**CjVr**

Freq. = 1MHz



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