

# LTspice Model

## Fast Recovery Diode

### Yangjie Electronic Technology

#### E1D



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_E1D\_LT  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_E1D\_LT01.lib  
 Model Report MDC\_E1D\_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 28-Apr-14/Rev. 2.2
- Product name E1D
- Company name Yangjie Electronic Technology Co., Ltd.
- Characteristics IfVf[Temp],IrrVr[Temp],Trr

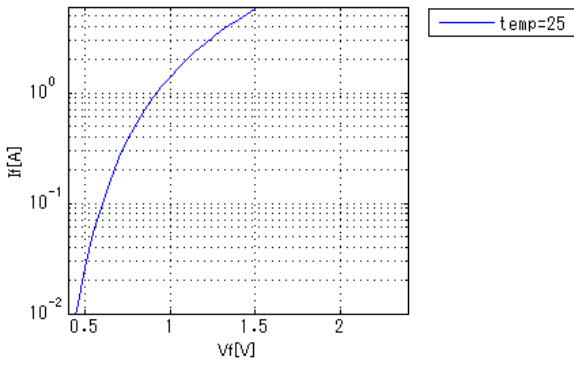
### Simulation Range

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

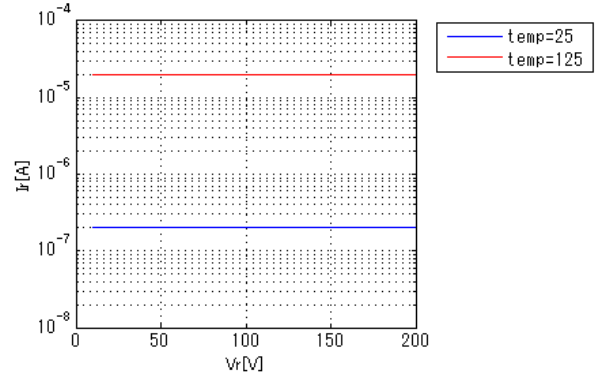
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	24	V
Temperature	-55	to	150	deg C

Simulation results are following.  
 Explanatory notes — : simulated

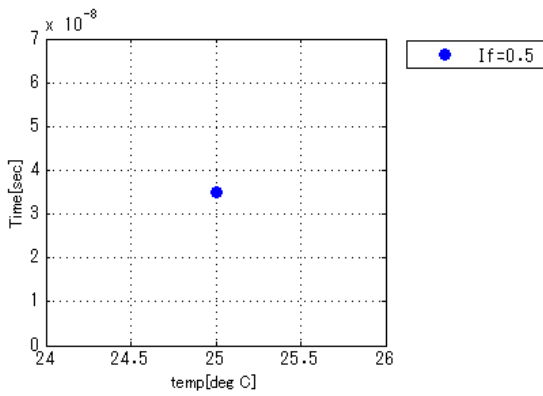
**IfVf[Temp]**



**IrVr[Temp]**



**Trr**



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