

# LTspice Model

## Light Emitting Diode

### SanKen

### SEC1603C



### Model Information

**Model** A macro model based on general SPICE diode model  
**Call Name** MDC\_SEC1603C\_LT  
**Pin Assign** 1:A 2:C  
**File List** Model Library MDC\_SEC1603C\_LT01.lib  
 Model Report MDC\_SEC1603C\_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 N/A
- Product name SEC1603C
- Company name SanKen Electric Co., Ltd.
- Characteristics IfVf[Temp]

### Simulation Range

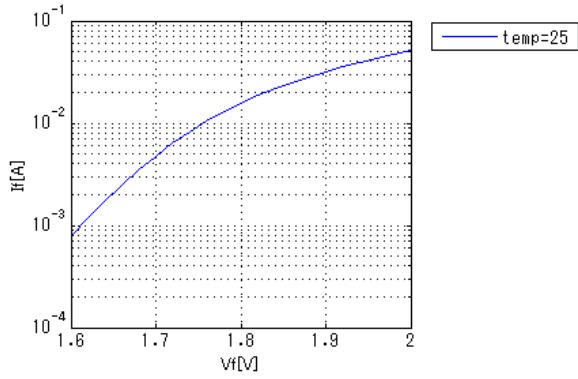
This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	20	V
Reverse Voltage	0	to	6	V
Temperature	-30	to	100	deg C

Simulation results are following.

Explanatory notes — : simulated

### IfVf[Temp]



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