

LTspice Model

Light Emitting Diode

ROHM

SMLE13BC8T



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_SMLE13BC8T_LT
Pin Assign 1:A 2:C
File List Model Library MDC_SMLE13BC8T_LT01.lib
 Model Report MDC_SMLE13BC8T_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 12
- Product name SMLE13BC8T
- Company name ROHM Co., Ltd.
- Characteristics IfVf[Temp],Irvr[Temp]

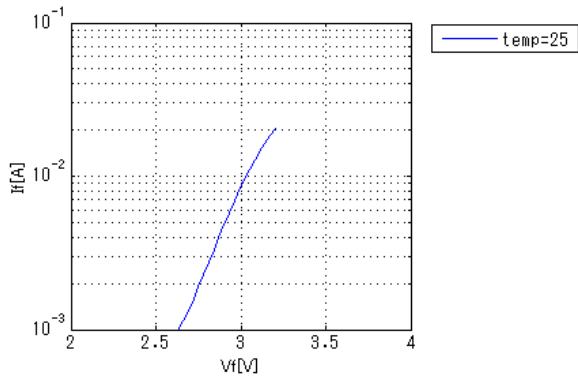
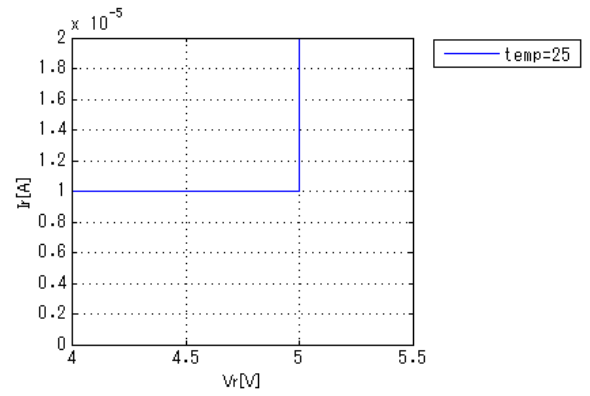
Simulation Range

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	32	V
Reverse Voltage	0	to	10	V
Temperature	-40	to	100	deg C

Simulation results are following.

Explanatory notes — : simulated

IfVf[Temp]**IrVr[Temp]**

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